

Historic, Archive Document

Do not assume content reflects current
scientific knowledge, policies, or practices.

1.96
R31FSN

Reserved

Water Supply Outlook For Nevada

MAY 12 1983

PRODUCTION
CUT LINES
ELECTRONICS



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

NEVADA DEPARTMENT of CONSERVATION
AND NATURAL RESOURCES
DIVISION OF WATER RESOURCES

AS OF
March 1, 1983

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: FRESH POWDER SNOW ON ELEPHANT MOUNTAIN, NEAR WEST FORK OF HYALITE CREEK, MONTANA

Published by Soil Conservation Service

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR NEVADA

**AND
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**



Issued by

PETER C. MYERS
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTON D.C.



Released by

GERALD THOLA
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
RENO, NEVADA

In Cooperation with

ROLAND D. WESTERGARD
DIRECTOR
DEPARTMENT OF CONSERVATION AND
NATURAL RESOURCES
CARSON CITY, NEVADA

For Further Information
Please Contact
The Soil Conservation Service
in

Battle Mountain, Nevada
Highway 8A, Lemaire Road
Phone: 702-635-2650

Caliente, Nevada
360 Lincoln Street
Phone: 702-726-3101

Cedarville, California
USDA Building
Phone: 916-276-6110

Elko, Nevada
Post Office Building
Phone: 702-738-8431

Ely, Nevada
1190 Avenue E
Phone: 702-289-4065

Eureka, Nevada
Sentinel Building
Phone: 702-237-5251

Fallon, Nevada
111 Sheckler Road
Phone: 702-423-5124

Las Vegas, Nevada
310 Almond Tree Lane
Phone: 702-385-6426

Lovelock, Nevada
1055 Cornell Street
Phone: 702-273-2134

Minden, Nevada
1694 County Road
Phone: 702-782-3661

Reno, Nevada
1281 Terminal Way
Phone: 702-784-5408

South Lake Tahoe, California
3552 Highway 50, Suite 1
Phone: 916-541-1496

Tonopah, Nevada
170 Mineral Street North
Phone: 702-482-3942

Winnemucca, Nevada
1200 Winnemucca Blvd., East
Phone: 702-623-2265

Yerington, Nevada
215 West Bridge Street
Phone: 702-463-2265

Report Prepared by

THE SNOW SURVEY AND WATER SUPPLY FORECAST UNIT
James K. Marron, Snow Survey Supervisor
Nancy Gordon, Hydrologist
Jon P. Lea, Hydrologist
Soil Conservation Service
P.O. Box 4850
Reno, Nevada

TABLE OF CONTENTS

WATER SUPPLY OUTLOOK FOR NEVADA.	1-2
BASIN AVERAGE SNOW WATER CONTENTS, 1952-1983	3
PROSPECTIVE WATER SUPPLY FOR NEVADA (Map).	4
INDEX OF NEVADA SNOW COURSES (By Basins)	5
WINTER SNOWPACK.	6
NEVADA STREAMFLOW FORECASTS.	7
RESERVOIR STORAGE.	8
SATELLITE SNOW COVER MAP	
TAHOE-TRUCKEE, CARSON, AND WALKER BASINS.	9
HUMBOLDT RIVER ABOVE COMUS, NEVADA.	10
SNOW COURSE MEASUREMENTS	11-14
PRECIPITATION MEASUREMENTS	15-16
SNOTEL MEASUREMENTS and STREAMFLOW HYDROGRAPHS	
MT. ROSE SKI AREA and WARD CREEK #3	17
EBBETTS PASS and EAST FORK CARSON RIVER	18
SONORA PASS BRIDGE and SPRATT CREEK	19
MARLETTE LAKE and DORSEY BASIN.	20
LAUREL DRAW and LAMOILLE #3	21
LIST OF COOPERATORS.	Inside Back Cover

All averages are for 1963-77 period.

WATER SUPPLY OUTLOOK
FOR NEVADA

* Water supply prospects for Nevada and the East Slope of the Sierra *
* are excellent and should supply adequate water well into the *
* irrigation season. Snow water contents range from a high of 247 *
* percent of average in the Central Great Basin, to a low of 126 *
* percent in the Snake Basin. The Tahoe-Truckee is 169 percent of *
* average and the Humboldt is 167 percent of average. The snowpack *
* at low elevations has an extremely high water content when compared *
* to average. In Western Nevada, water contents at sites below 7000 *
* feet range from 182 percent of average to 262 percent of average. *
* In Eastern Nevada, water contents at sites below 7000 feet range *
* from 180 percent of average to 343 percent of average. Reservoir *
* storage is 113 percent of average in the seven major reservoirs. *

SIERRA EAST SLOPE

The March 1 snow measurements indicate an excellent water supply for the coming season. Basin snowpack in the Lake Tahoe drainage is 164 percent of average with the Truckee Basin 170 percent, the Carson Basin is 172 percent, and the Walker Basin is 193 percent of average.

Storms crossed the Sierra during the last part of February, depositing substantial amounts of snow. The SNOTEL site located at the Mt. Rose Ski Area increased 9.5 inches of water content during the six days from February 25 to March 3. The complete snow pack graph, along with precipitation is shown on page 17. The Sonora Pass Bridge SNOTEL site in the West Walker Drainage increased 6.4 inches of water content over the same period of time. These storms have basically been cold and have increased snow-packs throughout the area. Warm rain storms on the extremely high water content snowpack, especially at low elevations, could cause some very high streamflows to occur.

Reservoir storage in the Truckee Drainage is 869,000 acre feet or 121 percent of average. Lake Tahoe's current storage has been reduced from last month and will now hold 175,000 acre feet of storage. Storage is still 111 percent of average in Lake Tahoe. Storage on the Walker River is 101 percent of average, but indications are that both Topaz and Bridgeport Reservoirs will be reduced to allow for some increased storage.

Streamflow forecasts for the coming season are excellent with all streams along the East Slope of the Sierra above 150 percent of average. Forecasts range from 150 percent of average on the Truckee River at Farad to 195 percent of average on the East Walker River near Bridgeport. The rise in Lake Tahoe is forecast at 2.3 feet and would bring the Lake to an elevation of 6230.24. This would be 1.14 feet above the upper limit if the gates were to remain closed.

HUMBOLDT BASIN

The March 1 snow measurements range from 110 percent of average at the Lamoille #3 snow course to 500 percent of average at the Midas aerial marker. The Upper Humboldt

is 146 percent of average the Lower Humboldt is 200 percent of average. The snowpack in the Humboldt drainage is distributed quite abnormal as the snow above 7500 feet is 118 percent of average while below 7500 feet the snowpack is 217 percent of average.

The storms which occurred over the last portion of February and early part of March increased the water content at Granite Peak 3.0 inches of water content which is 176 percent of the average February increase. The same storms have increased water content at Corral Canyon only .5 inches of water content which is 25 percent of the total February increase.

Streamflow forecasts in the Humboldt are expected to be excellent. The range of forecasts is from 110 percent of average on Lamoille Creek to 200 percent of average on Martin Creek.

Reservoir storage in Rye Patch Reservoir is 146 percent of average and contains 177,000 acre feet. There remains 17,000 acre feet of storage in the reservoir which will easily be filled by flows this spring.

SNAKE AND OWYHEE

Snow measurements taken near the end of February indicate an above average snowpack. The Snake River Basin is 126 percent of average, and the Owyhee Basin is 146 percent of average. Recent snow storms have increased the water content at the Upper Jack Creek SNOTEL site by 1.5 inches of water content which is 62 percent of the February average increase.

Water supplies for the coming irrigation season will be good. The forecast for the Owyhee River at Gold Creek is 30,000 acre feet and 130 percent of average and the forecast for the Owyhee at Owyhee is 110,000 acre feet and 137 percent of average.

NORTHERN GREAT BASIN

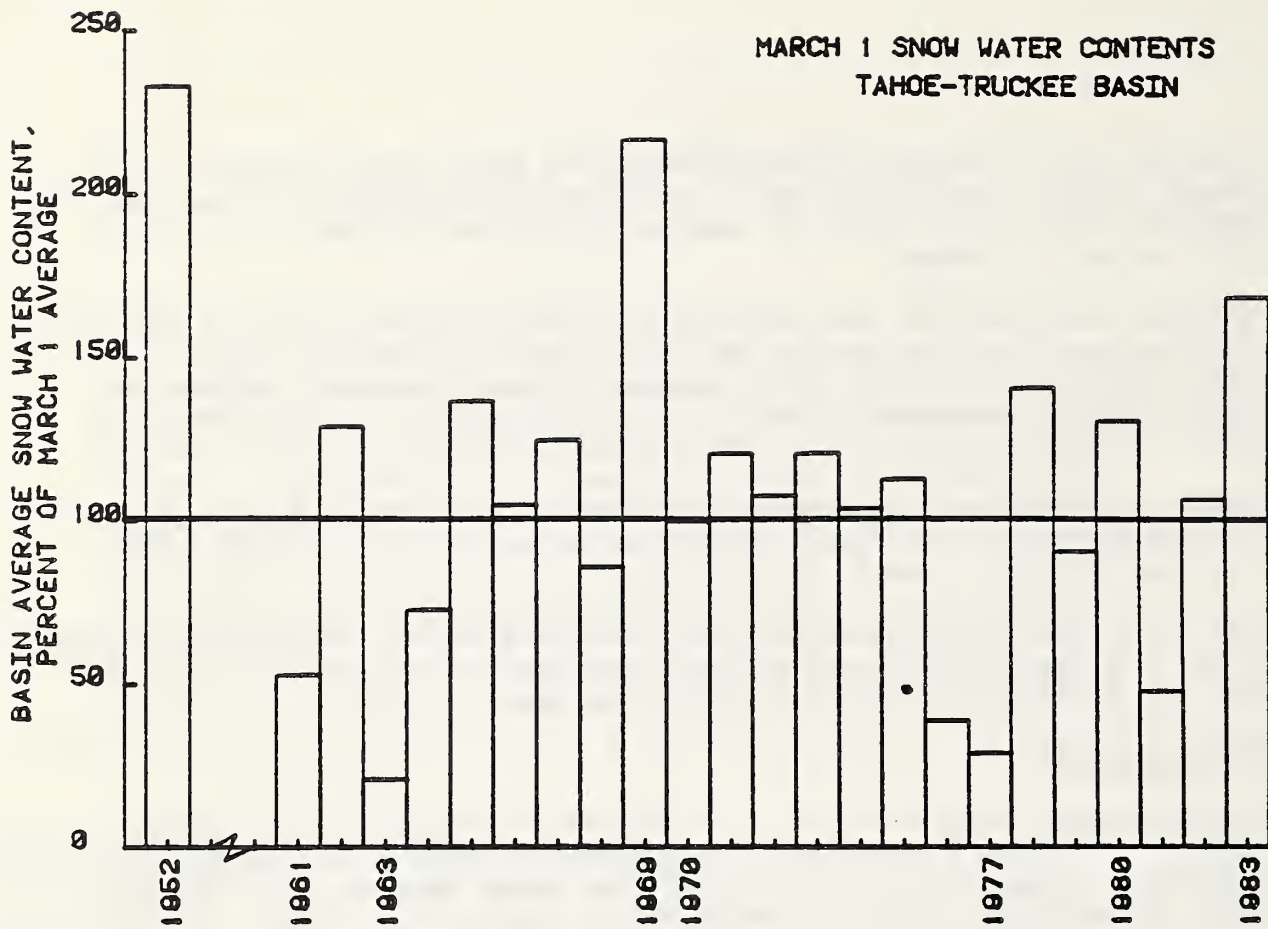
The snowpack measurements taken around March 1 indicate the Northern Great Basin is 176 percent of average. Storms have not traveled across this area as much as the rest of Nevada.

Streamflows will be about average with the Surprise Valley at 135 percent of average. The Quinn River is forecast at 181 percent of average, McDermitt Creek at 166 percent of average, and the East Fork Quinn River near McDermitt at 145 percent of average.

EASTERN AND SOUTHERN NEVADA

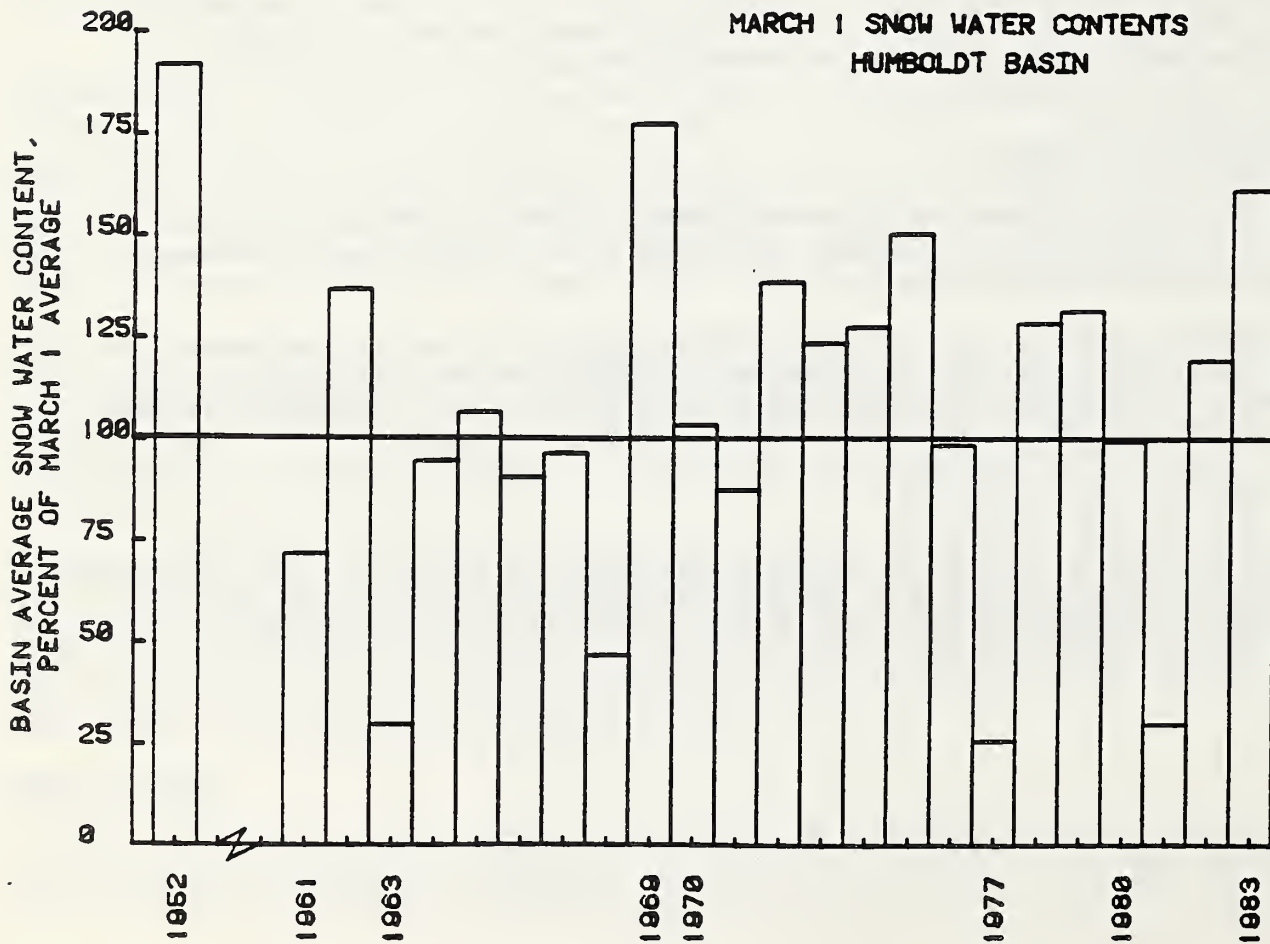
Snow measurements in Eastern Nevada has followed the pattern of most of northern Nevada. Below 7500 feet snow measurements are 200 percent of average and at elevations below 7500 feet, the percent is 124. Snowpack on Mt. Charleston is 201 percent of average.

MARCH 1 SNOW WATER CONTENTS
TAHOE-TRUCKEE BASIN



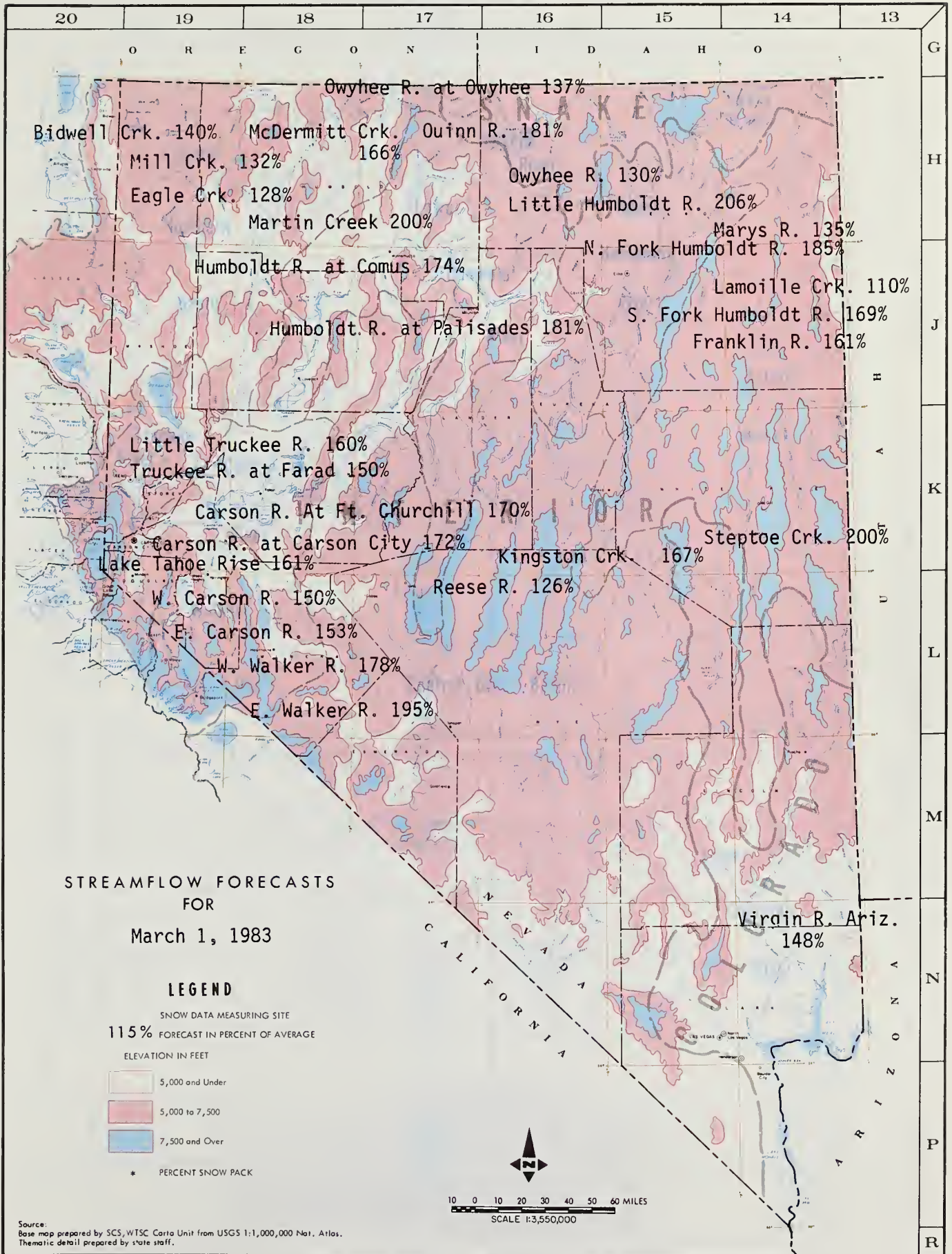
1963-77 Average

MARCH 1 SNOW WATER CONTENTS
HUMBOLDT BASIN



1963-77 Average

PROSPECTIVE WATER SUPPLY FOR NEVADA



INDEX TO NEVADA SNOW COURSES

(By Basins)

Refer to the map on the preceeding page for Snow Course locations.

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.	NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
SNAKE RIVER BASIN						LAKE TAHOE					
SNAKE RIVER						20L065	Echo Peak (CA)	35	12N	17E	7800
15H015A	Bear Creek	31	46N	58E	7800	20L05	Echo Summit (CA)	6	11N	18E	7450
15H02	Fox Creek	33	46N	58E	6800	20L105	Fallen Leaf (CA)	3	13N	17E	5300
15H135A	Goat Creek	31	46N	60E	8800	19L02	Freel Bench (CA)	36	12N	18E	7300
15H15A	Hummingbird Springs	6	45N	60E	8945	19K06	Glenbrook #2	13	14N	18E	6900
15H20a	Merritt Mountain	10	46N	54E	7000	19L035	Hagan's Meadow (CA)	36	12N	18E	8000
15H145	Pole Creek Ranger Station	13	46N	59E	8330	19L245	Heavenly Valley (CA)	1	12N	18E	8850
15H18a	Red Point	15	47N	61E	7940	20L04	Lake Lucille (CA)	28	12N	17E	8200
15H035A	Seventy Six Creek	6	44N	58E	7100	19K045	Marlette Lake	18	15N	19E	8000
15H19a	5 tag Mountain	32	41N	58E	7800	20L03	Richardsons #2 (CA)	6	12N	18E	6500
OWYHEE RIVER						20L01	Rubicon #1 (CA)	6	13N	17E	8100
15H045	Big Bend	30	45N	56E	6790	20L025	Rubicon #2 (CA)	6	13N	17E	7500
15H05a	Columbia Basin	31	44N	53E	6650	20K16	Tahoe City (CA)	6	15N	17E	6250
16H09a	Fawn Creek	2	45N	52E	7090	20K275	Tahoe City Cross (CA)	1	15N	16E	6750
16H135	Fawn Creek #2	2	45N	52E	7050	19L01	Upper Truckee (CA)	21	12N	18E	6400
15H05	Gold Creek	32	45N	56E	6690	20K17	Ward Creek #2 (CA)	21	15N	16E	7500
16H01	Jack Creek, Lower	18	42N	53E	6300	20K255	Ward Creek #3 (CA)	21	15N	16E	6750
16H02A	Jack Creek, Upper	9	42N	53E	7250	TRUCKEE RIVER					
16H095	Jack Creek #2, Upper	9	42N	53E	7250	20K14	Boca #2 (CA)	28	18N	17E	5900
16H045	Jacks Peak	21	42N	53E	8420	20K22	Brockway Summit (CA)	3	17N	16E	7100
16H055	Laurel Draw	20	45N	53E	6700	20K28	Castle Creek (CA)	23	17N	14E	7400
17G04a	Louse Canyon (OR)	27	40S	44E	6440	20K21	Donner Park #2 (CA)	18	17N	16E	6000
15H095	Taylor Canyon	35	39N	53E	6200	20K10	Donner Summit (CA)	25	17N	14E	6900
INTERIOR						20K07*	Fordyce Lake (CA)	34	18N	13E	6500
UPPER HUMBOLDT RIVER						20K08*	Furnace Flat (CA)	10	17N	13E	6700
15J17a	American Beauty	32	31N	58E	7800	20K045	Independence Camp (CA)	34	19N	15E	7000
15J125A	Corral Canyon	27	28N	57E	8590	20K035	Independence Creek (CA)	14	19N	15E	6500
15J015	Dorsey Basin	28	35N	60E	8100	20K055	Independence Lake (CA)	9	18N	15E	8450
15J03	Dry Creek	5	34N	60E	6500	19K03	Little Valley	17	16N	19E	6300
15J07P	Fry Canyon	31	43N	54E	6790	20K025	Mt. Rose	7	17N	19E	9000
15J035	Green Mountain	23	29N	57E	8000	19K075	Mt. Rose Ski Area	30	17N	19E	9000
15J10	Harrison Pass #1	9	28N	57E	6600	20K06	Sage Hen Creek (CA)	7	18N	16E	6500
15J11	Harrison Pass #2	16	28N	57E	7400	20K19	Squaw Valley #2 (CA)	6	15N	16E	7500
15J04	Lamoille #1	15	32N	58E	7100	20K305	Squaw Valley Gold Coast (CA)	36	16N	15E	8200
15J065	Lamoille #3	24	32N	58E	7700	20K135	Truckee #2 (CA)	22	17N	16E	6400
15J08	Lamoille #5	31	32N	59E	8700	20K02*	Webber Lake (CA)	29	19N	14E	7000
15J20	Pole Canyon #2	6	34N	61E	7700	20K01*	Webber Peak (CA)	30	19N	14E	8000
15J16a	Robinson Lake	23	33N	59E	9200	CARSON RIVER					
15H06P	Rodeo Flat	36	43N	53E	6800	19L055	Blue Lakes (CA)	30	9N	19E	8000
15J02	Ryan Ranch	1	34N	59E	5800	19L04	Carson Pass, Upper (CA)	22	10N	18E	8600
15J19	Smith Creek	26	30N	57E	7600	19K05	Clear Creek	6	14N	19E	7300
15J22a	Tent Mountain, Lower	26	36N	60E	7000	19L19a	Ebbetts Pass (CA)	17	8N	20E	8700
15J23a	Tent Mountain, Upper	35	36N	60E	8350	19L325	Ebbetts Pass #2 (CA)	17	8N	20E	8700
15H03	Tremewan Ranch	9	39N	55E	5700	19L16a	Fish Valley, Upper (CA)	1	7N	22E	8050
15H10P	Trout Creek, Lower	28	37N	61E	6900	19L40a	Monitor Pass (CA)	31	9N	21E	8350
15H11A	Trout Creek, Upper	4	36N	61E	8500	19L16a	Fish Valley, Upper (CA)	1	7N	22E	8050
LOWER HUMBOLDT RIVER						19L065A	Poison Flat (CA)	25	8N	21E	7900
17K01	Big Creek Campground	10	17N	43E	6600	19L395	Spratt Creek (CA)	31	10N	20E	6100
17K02	Big Creek Mine	23	17N	43E	7600	19L315	Wet Meadows #2 (CA)	26	9N	19E	8100
17K045	Big Creek Summit	35	17N	43E	8700	19L18a	Wet Meadows Lake (CA)	26	9N	19E	8050
17K03	Big Creek, Upper	26	17N	43N	7800	19L20a	Wolf Creek (CA)	35	8N	20E	8000
17H02A5	Buckskin, Lower	25	45N	39E	6700	WALKER RIVER					
17H01A	Buckskin, Upper	11	45N	39E	8200	19L11	Buckeye Forks (CA)	20	4N	23E	8500
17L01	Corral, Lower	12	11N	40E	7500	19L10	Buckeye Roughs (CA)	15	4N	23E	7900
17L02	Corral, Upper	20	11N	41E	8000	19L12	Center Mountain (CA)	4	3N	23E	9400
17J02	Golconda #2	22	35N	39E	6000	19L30A	Center Mountain (CA)	4	3N	23E	9400
17H045A	Granite Peak	22	44N	39E	7800	19L085	Leavitt Lake (CA)	13	5N	21E	9400
17H055A	Lamance Creek	13	42K	38E	6000	19L38	Leavitt Meadows (CA)	4	5N	22E	7200
17H03AP	Martin Creek	13	44N	38E	6700	19L175A	Lobdell Lake (CA)	20	7N	24E	9200
16H03AP	Midas	18	39N	46E	7200	19L34	Sawmill Ridge (CA)	17	3N	24E	8750
16H07a	Toe Jam	29	40N	50E	7700	19L07	Sonora Pass (CA)	1	5N	21E	8800
EASTERN NEVADA						19L235	Sonora Pass Bridge (CA)	6	5N	22E	8800
14L01	Baker #1	29	13N	69E	7950	19M01*	Tioga Pass (CA)	30	1N	25E	9900
14L02	Baker #2	30	13N	69E	8950	19L13	Virginia Lakes (CA)	5	2N	25E	9500
14L03	Baker #3	25	13N	68E	9250	19L225	Virginia Lakes Ridge (CA)	32	2N	25E	9200
14K025A	Berry Creek	26	17N	65E	9100	19L09	Willow Flat (CA)	21	5N	23E	8250
14K01	Bird Creek	34	19N	65E	7500	COLORADO					
14K09a	Oefiance Mines	9	14N	63N	9200	LOWER COLORADO RIVER					
15J155A	Hole-in-Mountain	6	35N	61E	7900	15L02a	Corduroy Flat	14	13N	58E	8720
14K08	Kalamazoo Creek	34	20N	65E	7400	14M04a	Ella Mountain	35	5S	67E	7050
14K03	Murray Summit	25	16N	62E	7250	15N05	Kyle Canyon	26	19S	56E	8200
15K01	Robinson Summit	34	18N	61E	7600	15N03	Lee Canyon #2	9	19S	56E	9000
14K07	Silver Creek #2	30	16N	69E	8000	15N08	Lee Canyon #3	10	19S	56E	8500
14K055A	Ward Mountain #2	25	15N	62E	9200	14M01a	Mathew Canyon	10	5S	70E	6000
CENTRAL GREAT BASIN						14M02a	Mt. Wilson	27	5N	68E	8050
18M02	Campito Mountain (CA)	19	5S	35E	10200	15N07	Pine Canyon	23	6S	69E	6200
18M05a	Chiatovich Flat (CA)	32	2S	34E	10500	15L01	Rainbow Canyon #2	6	20S	67E	8100
15N02	Clark Canyon	8	19S	56E	9900	15L01	White River #1	31	13N	59E	7400
18M01	Montgomery Pass	4	1N	33E	7100	15L03a	White River	31	13N	59E	7400
18M03a	Pinchot Creek (CA)	28	1N	33E	9300	LEGEND					
18M04a	Piute Pass (CA)	33	4S	33E	11700	NUMBERING SYSTEM (EXAMPLE)					
15N01	Trough Springs	23	18S	55E	8500	19K04	Snow Course Only				
NORTHERN GREAT BASIN						19K045	Snow Course with SNOTEL				
19H01a	Bald Mountain	17	45N	21E	6720	19K04A	Snow Course and Aerial Marker				
20H05	Barber Creek (CA)	23	39N	16E	6500	19K04P	Snow Course and Storage Precipitation Gage				
20H065	Cedar Pass (CA)	12	43N	14E	7100	Lower case letter "a" indicates no snow course, only an Aerial Marker.					
18G06a	Genio Creek (OR)	14	41S	34E	6090	SNOTEL has telemetered data for snow pillow, precipitation gage, and temperature. * Adjacent basin.					
18H015A	Disaster Peak	8	47N	34E	6500						
20H03a	Oisnal Swamp (CA)	31	48N	17E	7000						
20H11S	Oisnal Swamp #2 (CA)	31	48N	17E	7050						
20H07	Eagle Peak (CA)	35	40N	15E	7200						
19H03P	49 Mountain	7	42N	19E	6000						
19H02	Hays Canyon	1	39N	18E	6400						
19H04a	Little Bally Mountain	8	45N	19E	6000						
20H09P	Mt. Bidwell (CA)	6	47N	16E	7200						
20H10	North Star (CA)	13	47N	16E	6200						
17G05a	Oregon Canyon (OR)	9	40S	40E	7240						
17H06a	Quinn Ridge	9	47N	41E	6300						
20H04	Reservation Creek (CA)	12	46N	15E	5900						
18G05a	Trout Creek (OR)	10	41S	38E	7800						

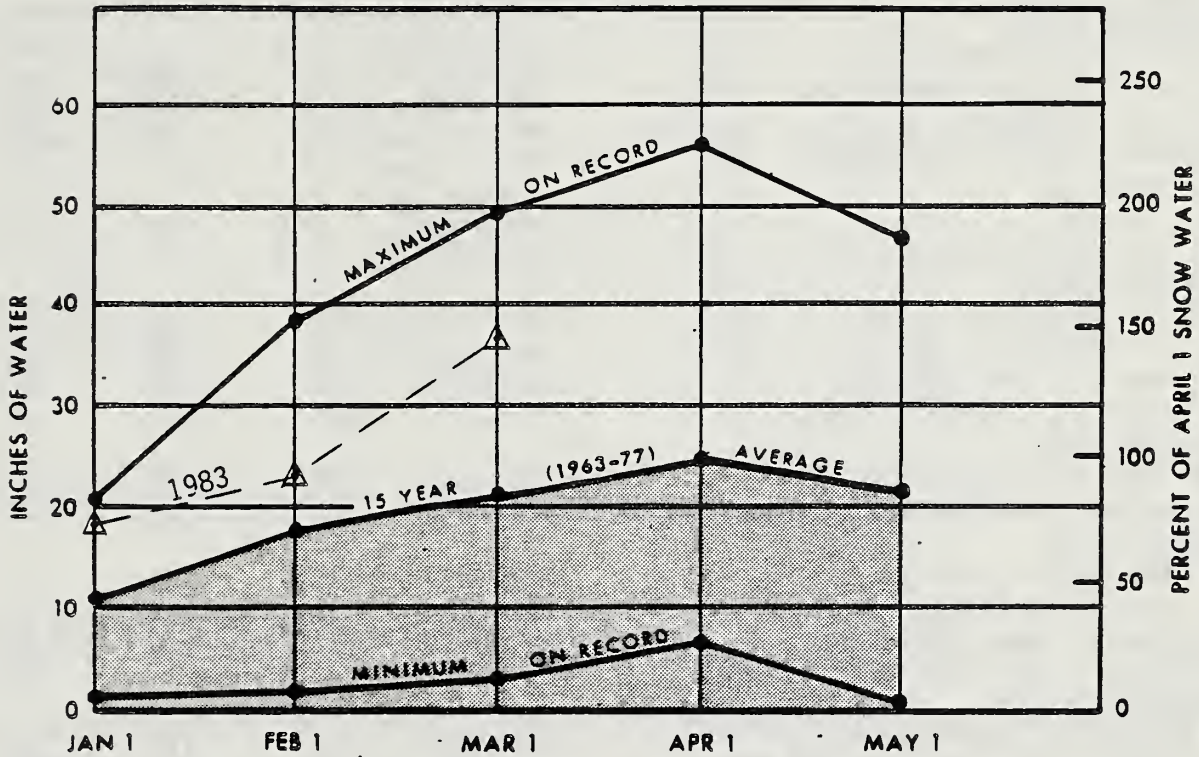
WINTER SNOWPACK

TAHOE, TRUCKEE, CARSON & WALKER BASINS

CALIFORNIA - NEVADA

1983

Data based on 9 long term Snow Courses



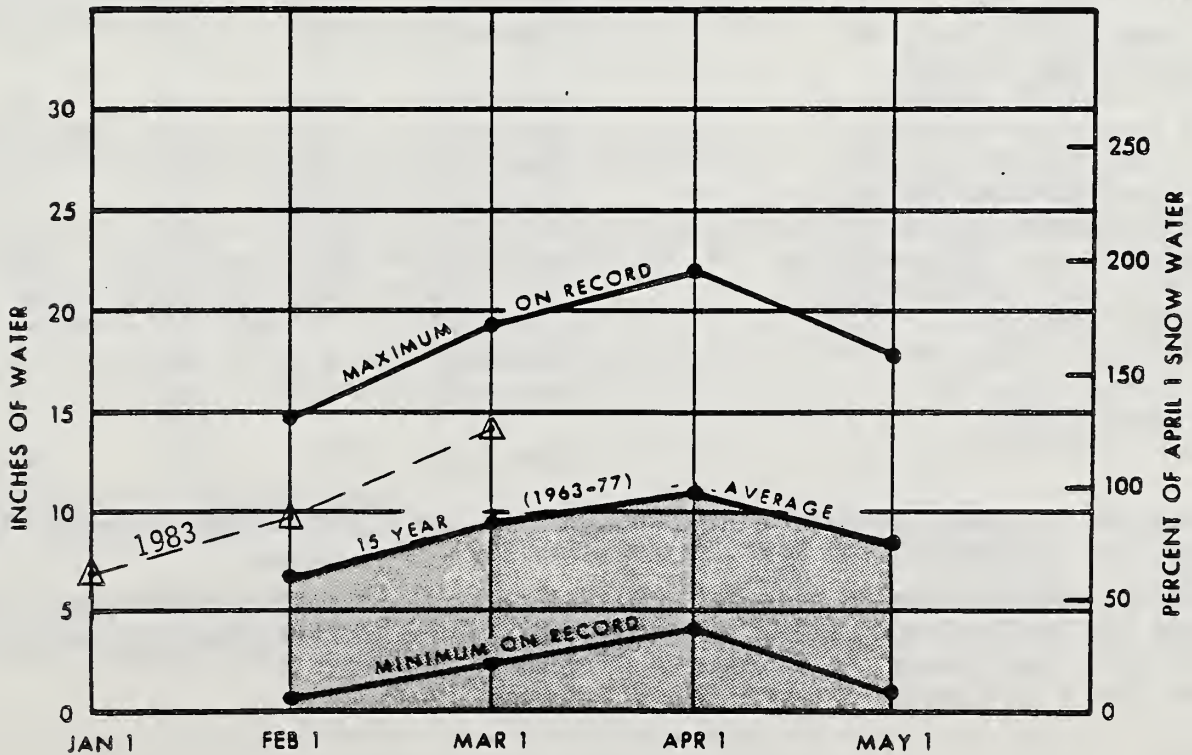
WINTER SNOWPACK

UPPER HUMBOLDT & SNAKE BASINS

NEVADA

1983

Data based on 13 selected Snow Courses



STREAMFLOW FORECASTS (Thousand Acre Feet) as of: March 1, 1983

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average †
TRUCKEE RIVER				
Galena Crk. near Steamboat, NV.	Apr-July	6.5	147	4.4
Little Truckee R. above Boca, CA.	Apr-July	140	160	87
Truckee R. at Farad, Ca. 1/	Apr-July	410	150	273
Lake Tahoe Rise in ft. (assuming gates closed)	April 1 high	2.3	161	1.42
Sage Hen Crk., CA.	Apr-July	9.8	151	6.5
Steamboat Crk. at Steamboat, NV.	Apr-July	9.2	177	5.2
CARSON RIVER				
E. Carson nr. Gardnerville, NV.	Apr-July	280	153	187
W. Carson at Woodfords, CA.	Apr-July	80	150	53
Carson R. near Carson City, NV.	Apr-July	315	172	183
Carson R. near Ft. Churchill, NV.	Apr-July	285	170	167
WALKER RIVER				
E. Walker near Bridgeport, CA. 2/	Apr-Aug.	135	195	69
W. Walker below L. Walker near Coleville, CA.	Apr-July	260	178	146
SNAKE RIVER				
Owyhee R near Owyhee, NV. 3/	Apr-July	110	137	80
Owyhee R. near Gold Creek, NV. 3/	Apr-July	30	130	22
S. Fork Owyhee R. near White Rock, NV.	May-July	170	204	83
Salmon Falls Crk. near San Jacinto, NV.	Apr-July	delayed		95
HUMBOLDT RIVER				
Lamoille Crk. near Lamoille, NV.	Apr-July	31	110	28
S. Fork Humboldt above Dixie Crk., NV.	Apr-July	125	169	73
Marys R. above Hot Springs, NV.	Apr-July	50	135	37
N. Fork Humboldt at Devils Gate, NV.	Apr-July	65	185	35
Humboldt R. At Palisade, NV.	Apr-July	400	181	221
Humboldt River at Comus, NV.	Apr-July	310	174	175
Kingston Crk., near Austin, NV.	Apr-July	5.5	167	3.3
L. Humboldt R. near Paradise, Va., NV.	Apr-July	20.0	206	9.7
Martin Crk. near Paradise, NV.	Apr-July	30.0	200	15
Reese R. near Ione, NV.	Apr-July	8.5	126	6.6
Rock Crk. near Battle Mtn., NV.	Apr-July	35	220	16
NORTHERN GREAT BASIN				
Bidwell Crk. near Ft. Bidwell, CA.	Apr-July	16.8	140	12
Mill Creek near Cedarville, CA.	Apr-July	5.4	132	4.1
Deep Creek near Cedarville, CA.	Apr-July	4.7	130	3.6
Eagle Crk. near Eagleville, CA.	Apr-July	5.5	128	4.3
Quinn R. near McDermitt, NV.	Apr-July	29.0	181	16
E. Fork Quinn R. near McDermitt, NV.	Apr-July	18.9	145	13
McDermitt Crk. near McDermitt, NV.	Apr-July	20.0	166	12
EASTERN NEVADA				
Franklin R. near Arthur, NV.	Apr-July	9.5	161	5.9
Steptoe Crk. near Ely, NV.	Apr-July	4.0	200	2
COLORADO RIVER				
Virgin River at Littlefield, AZ.	Apr-July	72	148	48

NOTE: Steamflow forecasts appearing in this bulletin are a coordinated activity of the National Weather Service and the Soil Conservation Service.

1/ Observed flow plus change in storage in Boca, Stampede and Prosser Reservoirs, Donner, Independence and Martis Creek Lakes, and minus the flow at Truckee River at Tahoe City, CA.

2/ Observed flow plus change in storage in Bridgeport Reservoir.

3/ Observed flow plus change in storage in Wild Horse Reservoir.

RESERVOIR STORAGE (Thousand Acre Feet) AS OF March 1, 1983

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
Owyhee	Wild Horse	72	59	30	30
Lower Humboldt	Rye Patch	194	177	61	121
Colorado	Mohave	1,810	1,651	1,629	1,674
Colorado	Mead	26,159	24,427	23,264	17,520
Tahoe	Tahoe	745	555	502	491
Truckee	Boca	41	24	32	19
Truckee	Stampede**	222	202	155	120*
Truckee	Prosser***	30	9	9	8*
Carson	Lahontan	295	195	234	232
West Walker	Topaz	59	46	45	44
East Walker	Bridgeport	42	33	31	34

* Adjusted average.
 ** Storage began August 1, 1969.
 *** Flood Control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average †
October 1	1,172	358	786
January 1	1,070	688	844
February 1	1,114	804	920
March 1	1,089	935	968
April 1		1,047	1,010
May 1		1,148	1,032

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.
 TOTAL USABLE CAPACITY 1448

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
East Fork Carson River near Gardnerville, NV.	2300 - 2900	1,865
Carson River near Carson City, NV.	3200 - 4000	2,098
Carson River near Ft. Churchill, NV.	3000 - 3800	1,914
W. Walker R. below L. Walker nr Coleville, CA.	2300 - 3100	1,589

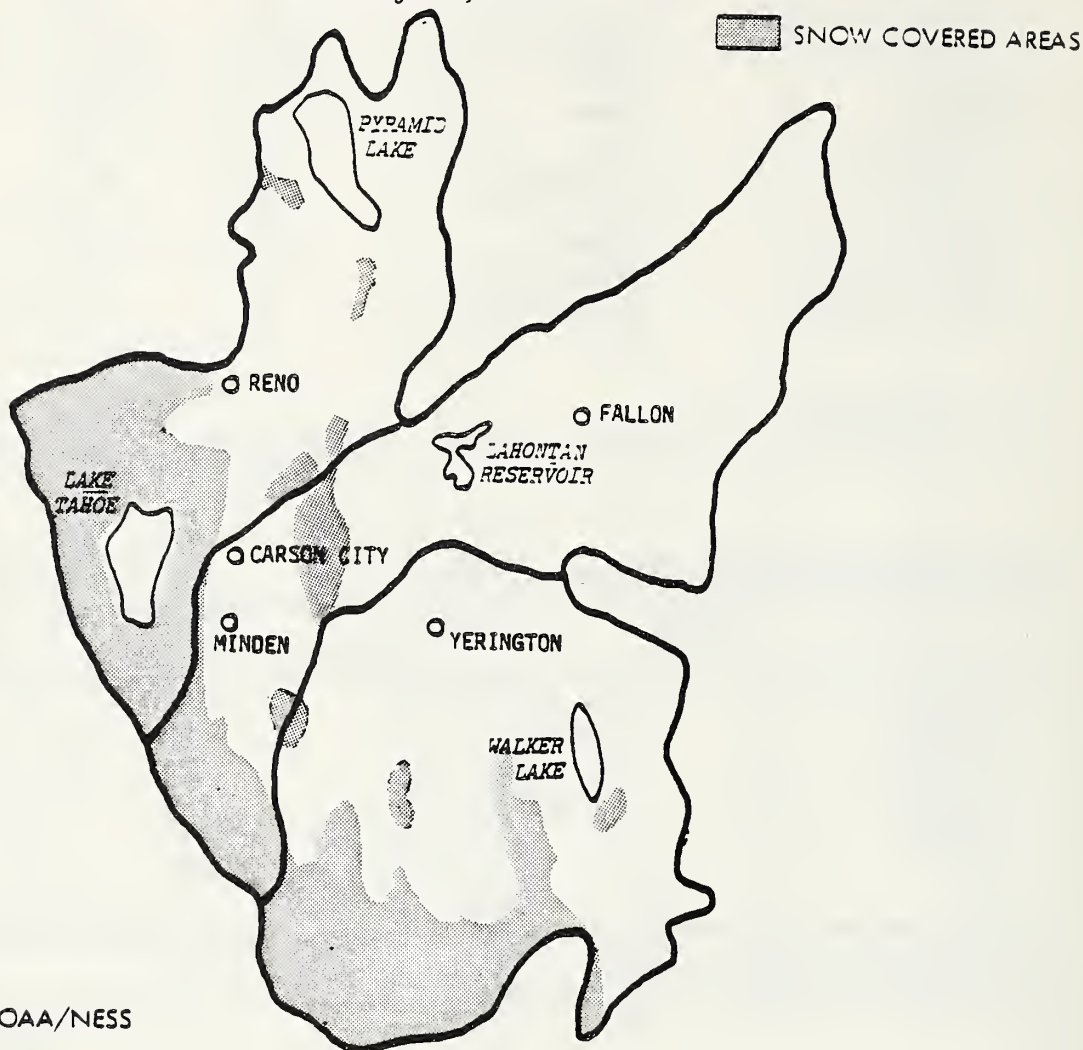
FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
East Carson River nr Gardnerville, NV.	200	8/10	7/24

SATELLITE SNOW COVER

TAHOE-TRUCKEE, CARSON AND WALKER BASINS

February 29, 1983



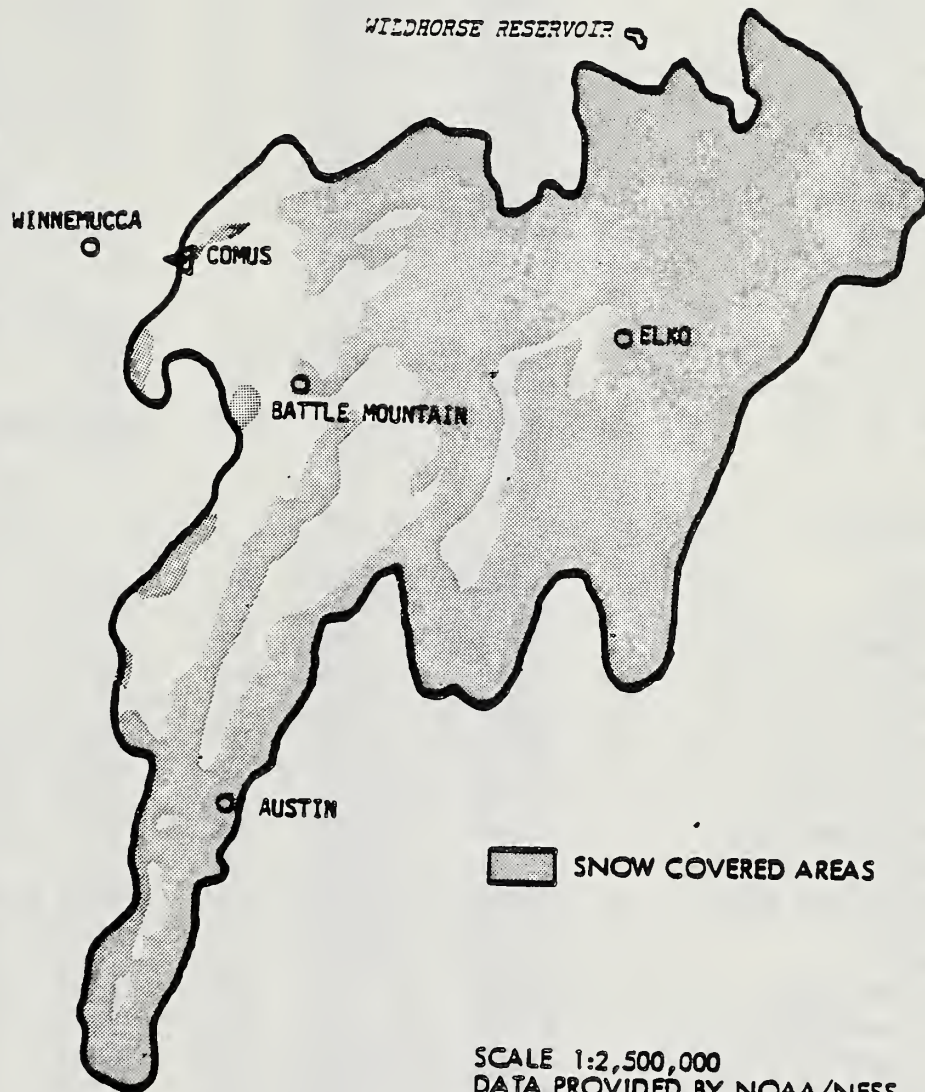
SCALE 1:2,000,000
DATA PROVIDED BY NOAA/NESS
WASHINGTON D.C.

<u>BASIN</u>	<u>THIS YEAR</u>	<u>PERCENT SNOW COVER</u>	<u>LAST YEAR</u>	<u>PERCENT SNOW COVER</u>
TAHOE-TRUCKEE	November 14, 1982	10.6%	November 29, 1981	56.0%
	December 28, 1982	50.0%	January 1, 1982	56.0%
	January 28, 1983	39.8%	January 31, 1982	48.0%
	February 24, 1983	38.0%	February 24, 1982	28.0%
CARSON	November 14, 1982	8.2%	November 29, 1981	30.0%
	December 28, 1982	25.0%	January 1, 1982	24.0%
	January 28, 1983	19.2%	January 31, 1982	48.0%
	February 24, 1983	19.0%	February 24, 1982	10.0%
WALKER	November 14, 1982	16.3%	November 29, 1981	77.0%
	December 28, 1982	46.0%	January 1, 1982	40.0%
	January 28, 1983	52.0%	January 31, 1982	43.0%
	February 29, 1983	34.0%	February 24, 1982	20.0%

SATELLITE SNOW COVER

HUMBOLDT RIVER ABOVE COMUS, NEVADA

February 22, 1983



SCALE 1:2,500,000
DATA PROVIDED BY NOAA/NESS
WASHINGTON, D.C.

<u>THIS YEAR</u>	<u>PERCENT SNOW COVER</u>	<u>LAST YEAR</u>	<u>PERCENT SNOW COVER</u>
November 23, 1982	45.1%	November 26, 1981	24.0%
		November 29, 1981	68.0%
		December 7, 1981	7.0%
December 28, 1982	87.0%	December 16, 1981	18.0%
		December 22, 1981	58.0%
		January 1, 1982	97.0%
		January 6, 1982	100.0%
January 28, 1983	94.2%	January 27, 1982	98.0%
		January 30, 1982	88.0%
February 16, 1983	72.2%	February 6, 1982	87.0%
February 22, 1983	71.0%	February 16, 1982	63.0%
		February 20, 1982	46.0%

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

LAKE TAHOE

Echo Peak (CA)	7,800	2/22/83	130	50.0	39.8	-----
Echo Summit (CA)	7,450	2/25/83	118	44.6	29.9	28.3
Fallen Leaf (CA)	6,300	3/ 1/83	51	18.4*	5.8	-----
Freel Bench (CA)	7,300	2/22/83	58	20.7	8.6	10.2*
Glenbrook #2	6,900	3/ 3/83	130	42.1	8.0	9.1
Hagan's Meadows (CA)	8,000	2/22/83	78	26.4	15.3	13.8
Heavenly Valley (CA)	8,800	3/ 1/83	130	42.1	32.1	26.3*
Lake Lucille (CA)	8,200				66.3	49.0*
Marlette Lake	8,000	2/22/83	88	32.6	20.6	18.4
Richardsons #2 (CA)	6,500	2/28/83	88	28.0	14.4	14.1
Rubicon #1 (CA)	8,100				53.3	39.0
Rubicon #2 (CA)	7,500	3/ 1/83	101	38.3*	28.1	24.2
Tahoe City Cross (CA)	6,750	3/ 1/83	109	39.6	13.3	-----
Upper Truckee (CA)	6,400	2/22/83	38	15.8	7.6	8.7*
Ward Creek #2 (CA)	7,000	2/22/83	142	53.8	30.3	33.5
Ward Creek #3 (CA)	6,750	2/22/83	127	50.8	30.1	32.9

TRUCKEE RIVER

Big Meadows	8,300	2/22/83	84	31.0		25.0e
Boca #2 (CA)	5,900	2/27/83	37	11.5	2.8	6.1
Brockway Summit (CA)	7,100	3/ 2/83	93	34.0	10.9	17.0*
Castle Creek (CA)b	7,400	2/28/83	149	49.7	53.6	41.9
Donner Peak #2 (CA)	6,000	2/27/83	74	21.9	8.9	14.9
Donner Summit (CA)	6,900	2/22/83	138	55.4	26.0	31.5
Fordyce Lake (CA)b	6,500	2/23/83	134	59.6	23.6	30.8
Furnace Flat (CA)b	6,700	2/23/83	156	66.2	33.6	36.2*
Independence Camp (CA)	7,000	2/22/83	80	28.5	14.8	19.2*
Independence Creek (CA)	6,500	2/22/83	59	20.3	7.1	11.1
Independence Lake (CA)	8,450	2/22/83	129	47.4	45.7	32.0
Little Valley	6,300	2/23/83	27	8.9	3.0	8.2
Mount Rose	9,000	2/22/83	122	49.2	41.7	-----
Mount Rose Ski Area	8,850	3/ 1/83	170	62.9*	58.7	33.3*
Sage Hen Creek (CA)	6,500	3/ 2/83	93	34.0	11.7	14.2*
Squaw Valley #2 (CA)	7,500	2/22/83	170	66.9	48.6	40.4
Squaw Valley Gold Coast (CA)	8,200	3/ 1/83	205	75.5*	55.5*	-----
Truckee #2 (CA)	6,400	3/ 1/83	77	25.9	10.0	11.7*
Webber Lake (CA)	7,000	N/S				-----
Webber Peak (CA)	8,000	N/S				-----

CARSON RIVER

Blue Lakes (CA)	8,000	2/24/83	127	47.5	34.3	30.2*
Carson Pass, Upper (CA)	8,600	2/22/83	117	45.9	37.0	29.0
Clear Creek	7,300	2/23/83	44	12.0	7.2	11.3
Ebbetts Pass AM (CA)	8,700				46.6	29.1a
Ebbetts Pass #2 (CA)	8,700	3/ 4/83	185	66.0	44.6	-----
Fish Valley, Upper AM (CA)	8,050	3/ 4/83	81	24.3	11.8	12.7a
Monitor Pass AM	8,350	3/ 4/83	105	34.7	15.5	-----
Poison Flat #2 (CA)	7,900	3/ 4/83	90	27.3	14.0	14.3*
Spratt Creek (CA)	6,100	3/ 4/83	44	12.5	5.0*	-----
Wet Meadows Lake AM (CA)	8,050				30.4	23.3a*
Wet Meadows #2 (CA)	8,050	3/ 4/83	172	64.7	38.6	-----
Wolf Creek AM (CA)	8,000	3/ 4/83	105	34.7	30.4	27.4a*

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

WALKER RIVER

Center Mountain AM (CA)	9,400				52.4	35.1a
Center Mountain (CA)	9,400	3/ 4/83	180	62.3	43.8	34.4
Leavitt Lake (CA)	9,400	3/ 4/83	198	58.6	57.9	-----
Leavitt Meadows (CA)	7,200	3/ 4/83	72	33.3	8.4	-----
Lobdell Lake (CA)	9,200	3/ 4/83	103	33.2	19.8	14.3*
Sawmill Ridge (CA)	8,750	3/ 4/83	108	35.2	19.0	-----
Sonora Pass (CA)	8,800	3/ 4/83	122	44.3	27.7	21.0
Sonora Pass Bridge (CA)	8,800	3/ 4/83	124	41.0	32.3	24.7*
Tiooa Pass (CA)	9,900	N/S			35.0	19.6*
Virginia Lakes (CA)	9,500	3/ 4/83	101	31.1	18.8	14.3*
Virginia Lakes River (CA)	9,200	3/ 4/83	99	31.4	18.3	14.8*
Willow Flat (CA)	8,250	3/ 4/83	70	23.6	8.5	-----

NORTHERN GREAT BASIN

Bald Mountain AM	6,720	3/ 2/83	36	11.6	0.6	2.8a
Barber Creek (CA)	6,500	2/23/83	45	17.6	10.0	10.4
Cedar Pass (CA)	7,100	2/25/83	49	17.7	12.7	12.9
Disaster Peak	6,500	2/22/83	51	20.6	13.4	11.6
Dismal Swamp #2 (CA)	7,000	2/24/83	79	31.6	28.6	-----
49 Mountain	6,000	2/23/83	17	6.3	0.2	3.5
Hays Canyon	6,400	2/23/83	18	6.5	0.0	3.1
Little Bally Mountain AM	6,000	3/ 2/83	25	5.0	0.9	2.6a
Mount Bidwell (CA)	7,240	2/24/83	72	28.7	20.7	15.3*
North Star (CA)	6,200	2/24/83	53	21.2	9.6	13.8*
Oregon Canyon AM (OR)	7,240				1.1	4.6a
Pueblo Summit AM	6,300				0.1	-----
Quinn Ridge AM	6,300				0.1	1.6a
Reservation Creek (CA)	5,900	2/25/83	41	16.4	8.0	9.9
Trout Creek AM (OR)	7,800				4.6	15.4a

SNAKE RIVER

Bear Creek	7,800	3/ 1/83	68	21.6*	23.0	8.0
Fox Creek	6,800				12.5	9.7
Goat Creek	8,800	3/ 1/83	45	14.4*	21.3	15.7
Jakes Creek AM	7,000	2/26/83	29	8.4	5.5a	-----
Hummingbird Springs	8,945				27.4	19.5
Merritt Mountain AM	7,000	2/26/83	26	7.8	3.4a	6.4a
Pole Creek Range Station	8,330	3/ 1/83		15.1	23.2	18.6
Seventy Six Creek	7,100	3/ 1/83	45	14.4*	17.5	10.5
Stag Mountain AM	7,700	2/26/83	25	8.5	8.0a	5.4a

OWYHEE RIVER

Big Bend	6,700	2/23/83	37	10.7	11.2	7.5
Columbia Basin AM	6,650	2/26/83	35	10.8	12.2	8.2a*
Fawn Creek #2	7,000	2/23/83	58	17.6	15.9	-----
Gold Creek	6,600	2/23/83	23	6.8	5.9	4.9
Jack Creek, Lower	6,800	2/23/83	23	7.8	1.9	-----

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

OWYHEE RIVER (CONT.)

Jack Creek, Upper	7,250	2/23/83	36	11.3	11.2	6.7
Jack Creek #2, Upper	7,250	2/23/83	73	26.8	19.8	-----
Jacks Peak	8,420	2/23/83	80	27.3	29.9	20.9*
Laurel Draw	6,700	2/23/83	36	11.2	9.1	6.9
Louse Canyon AM (OR)	6,440				3.2	3.0a
Taylor Canyon	6,200	2/23/83	32	9.4	6.5	4.5

UPPER HUMBOLDT RIVER

American Beauty	7,800	2/26/83	36	11.6	5.2a	8.5a
Corral Canyon	8,500	2/24/83	52	16.9	12.6	12.3
Dorsey Basin	8,100	2/24/83	48	14.4	13.8	10.4*
Draw Creek AM	7,450	2/23/83	35	11.6	13.2a	-----
Dry Creek	6,500	2/24/83	27	9.6	4.6	2.8*
Fry Canyon	6,700	2/23/83	35	10.6	9.8	5.9*
Green Mountain	8,000	2/24/83	47	15.8	13.8	10.9*
Harrison Pass #1	6,600	2/24/83	25	7.7	3.3	3.5*
Harrison Pass #2	7,400	2/24/83	30	9.0	4.3	4.3*
Lamoille #1	7,100	2/24/83	38	11.2	6.9	8.1
Lamoille #3	7,700	2/24/83	35	11.1	10.0	10.4
Lamoille #5	8,700	2/24/83	64	24.0	35.5	21.3
Pole Canyon #2	7,700	2/24/83	50	17.3	19.9	-----
Robinson Lake AM	9,200	2/26/83	120	42.0	42.0a	-----
Rodeo Flat	6,800	2/23/83	37	12.4	8.2	4.6*
Ryan Ranch	5,800	2/24/83	9	3.1	0.0	0.8*
Smith Creek	7,700	2/24/83	49	17.7	11.5	-----
Tent Mountain AM, Lower	7,000	2/26/83	32	9.6	0.0a	11.7a*
Tent Mountain AM, Upper	8,350	2/26/83	80	26.8	18.3a	19.3a*
Tremewan Ranch	5,700	2/23/83	14	4.0	3.1	1.5
Trout Creek, Lower	6,900	2/24/83	26	7.9	2.8	2.8*
Trout Creek, Upper	8,500	2/24/83	34	11.9	14.6	15.4*

LOWER HUMBOLDT RIVER

Big Creek Campground	6,600	2/24/83	12	3.3	0.1	1.6
Big Creek Mine	7,600	2/24/83	26	7.7	4.0	4.4
Big Creek Summit	8,700	2/24/83	50	21.0	8.9	-----
Big Creek, Upper	7,800	2/24/83	25.2	7.4	5.9	5.4* .
Buckskin, Lower	6,700	2/22/83	39	12.6	6.8	7.1
Buckskin, Upper	8,200	2/22/83	40	13.6	10.4	8.4
Golconda #2	6,000	2/23/83	32	11.7	6.8	4.5
Granite Peak	7,800	2/22/83	76	24.9	19.5	13.1
Lamance Creek	6,000	2/22/83	47	17.3	8.8	9.0
Martin Creek	6,700	2/22/83	51	17.8	8.6	8.4
Midas AM	7,200	2/28/83	38	11.0	0.0a	2.2a
Snowstorm Mountain AM	7,420	2/28/83	66	21.0		
Toe Jam AM	7,700	2/26/83	36	11.7	11.8a	8.5a

EASTERN NEVADA

Baker #1	7,950	2/28/83	21	5.3	4.8	5.6*
Baker #2	8,950	2/28/83	45	13.0	10.9	11.0*

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Elevation				Last Year	Average †

EASTERN NEVADA (CONT.)

Baker #3 AM	9,250	2/23/83	48	13.9	12.6a	11.9a*
Berry Creek	9,100	2/23/83	56	16.2	14.9	11.4*
Bird Creek	7,500	2/24/83	21	5.1	3.0	3.4
Defiance Mines AM	9,400	2/23/83	72	20.9	3.7a	-----
Hole-in-Mountain	7,900	2/24/83	56	20.7	34.1	18.6
Kalamazoo Creek	7,400	2/28/83	38	11.2	7.8	6.0
Murray Summit	7,250	2/24/83	23	5.6	1.8	2.9
Robinson Summit	7,600	2/24/83	10	2.7	1.2	2.0
Silver Creek #2 AM	8,000	2/23/83	1	0.1	5.4a	5.1a
Ward Mountain #2 AM	7,400	2/23/83	44	17.1*	7.0	6.4a*

CENTRAL GREAT BASIN

Clark Canyon	9,000	2/24/83	39	12.3	4.5	5.2*
Montgomery Pass	7,100				0.0	1.1*
Trough Springs	8,500	2/24/83	32	9.9	3.2	3.8*

LOWER COLORADO RIVER

Corduoy Flat AM	8,720	2/23/83	34	8.8	0.0	-----
Kyle Canyon	8,200	2/23/83	39	13.2	5.0	8.9
Lee Canyon #2	9,000	2/23/83	39	12.1	6.2	6.4*
Lee Canyon #3	8,500	2/23/83	37	11.7	3.3	6.7
Rainbow Canyon #2	8,100	2/23/83	56	18.8	9.8	2.2*
White River AM	7,400	2/23/83	32	8.3	0.0	-----

a Aerial Marker

b Located an adjacent basin

* Less than 15 year period

** SNOTEL provisional

NS Not surveyed this month

NOTE:

All averages based on 1963-77, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.

† 1963-1977 period.

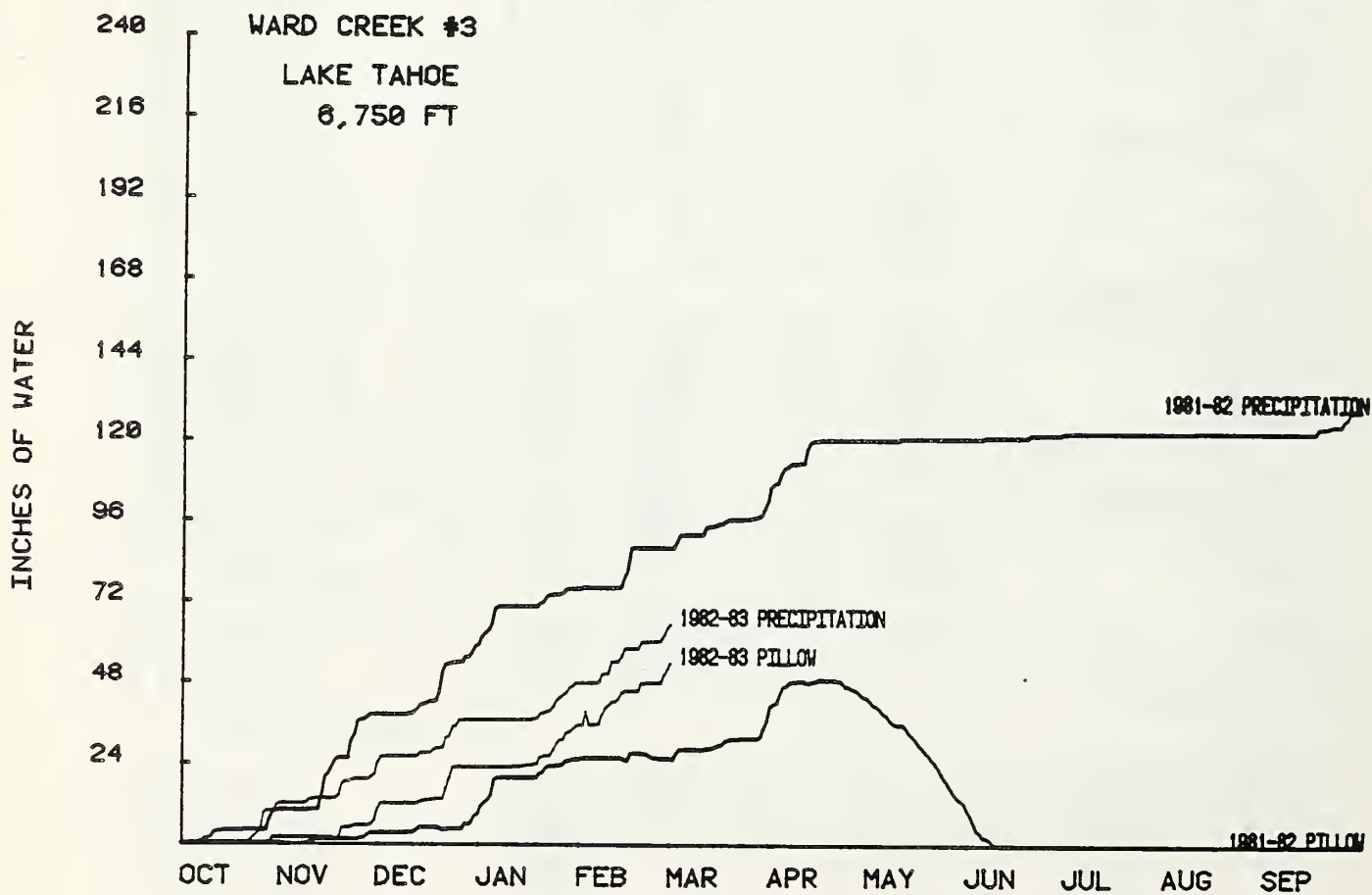
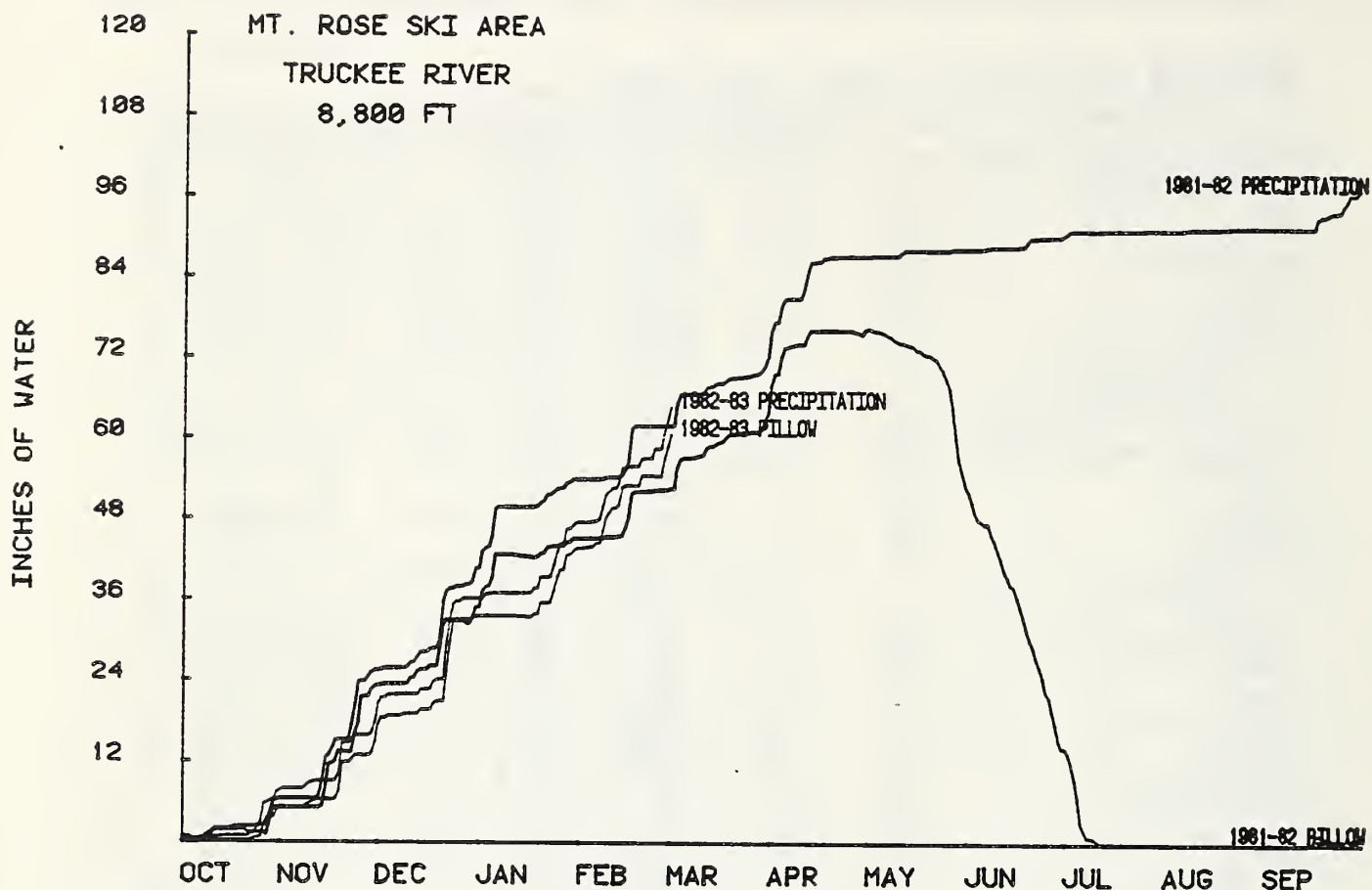
PRECIPITATION (Inches)

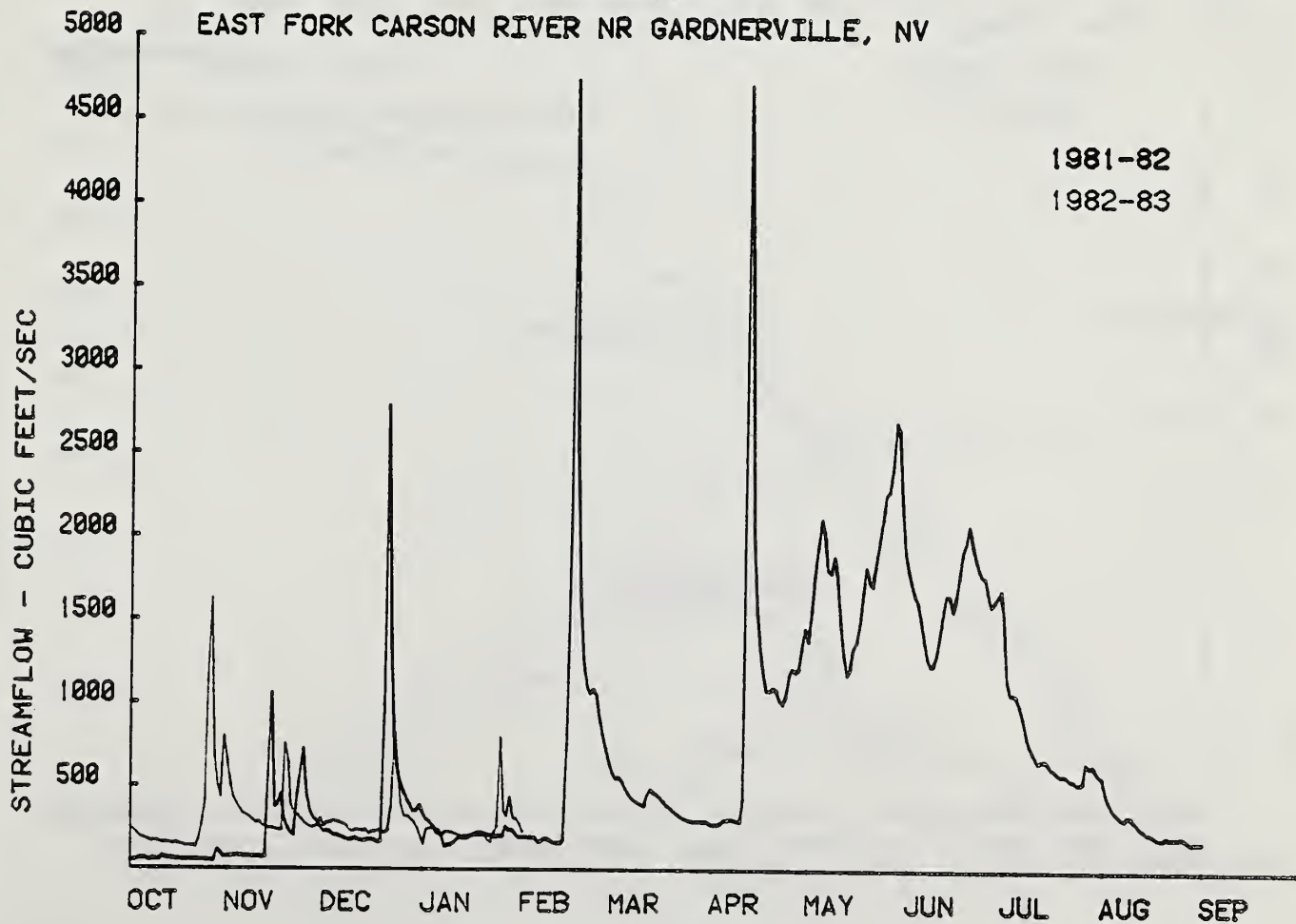
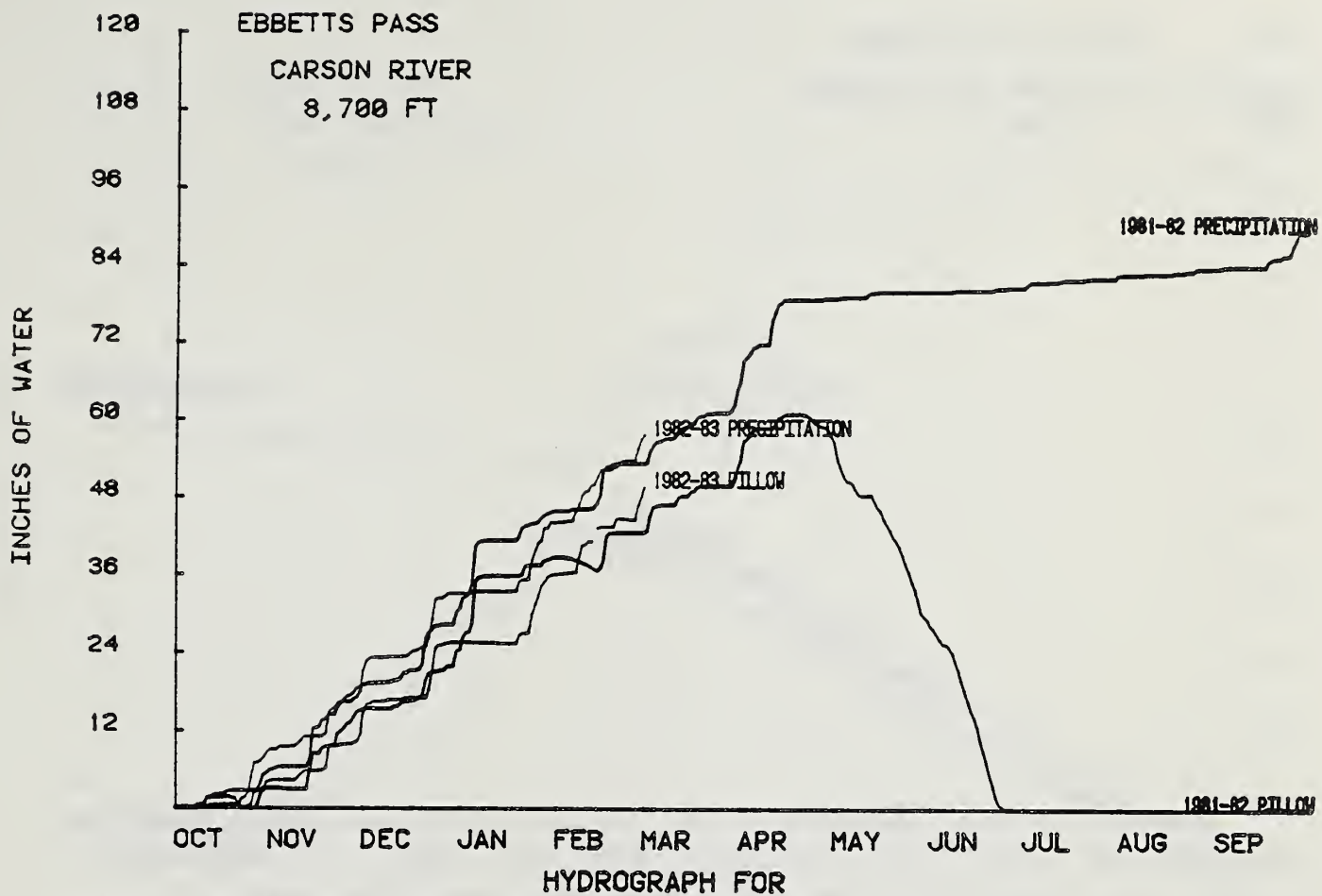
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Last Year	This Year	Last Year	March 1 Average
<u>TAHOE-TRUCKEE</u>							
Big Meadows	8,300	2/28/83	9.0	4.7	36.0	36.3	----
Central Sierra Snow Lab	6,900	2/28/83	15.5	----	63.1	----	----
Echo Peak (CA)	7,800	2/28/83	18.6	13.0	62.4	62.8	40.3
Fallen Leaf (CA)	6,240	2/28/83	8.6	2.8	35.0	38.7	8.7
Hagan's Meadows (CA)	8,000	2/28/83	7.4	5.6	27.2	35.5	17.8
Heavenly Valley (CA)	8,800	2/28/83	8.2	4.4	33.7	32.4	28.9
Independence Camp (CA)	7,000	2/28/83	8.8	6.4	33.2	46.6	27.2
Independence Creek (CA)	6,500	2/28/83	9.3	6.5	35.3	45.3	16.5
Independence Lake (CA)	8,450	2/28/83	14.3	5.9	48.2	47.4	35.2
Marlette Lake	8,000	2/28/83	8.8	5.0	36.1	36.0	19.0
Mount Rose	9,000	2/28/83	----	4.1	----	34.3	20.8
Mount Rose Ski Area	8,850	2/28/83	17.1	8.2	64.5	62.2	33.3
Rubicon #2 (CA)	7,500	2/28/83	10.8	7.4	44.1	50.3	26.9
Squaw Valley Gold Coast	7,800	-----	-----	10.8	----	80.3	49.8
Tahoe City Cross (CA)	6,750	2/28/83	9.9	6.3	37.6	49.2	15.4
Truckee #2 (CA)	6,400	2/28/83	8.6	4.9	34.2	42.4	12.4
Ward Creek #3 (CA)	6,750	2/28/83	17.5	11.8	65.7	88.4	48.5
<u>CAPSON-WALKER</u>							
Blue Lake (CA)	8,000	2/28/83	12.8	6.9	53.1	48.7	33.0
Ebbetts Pass #2 (CA)	8,700	2/28/83	13.4	7.4	57.6	53.3	40.3
Leavitt Meadows (CA)	7,200	2/28/83	6.0	6.3	31.9	35.6	23.4
Lobdell Lake (CA)	9,200	2/28/83	6.1	3.4	27.6	22.2	17.0
Pine Nut Creek (CA)	6,600			1.6		15.0	
Poison Flat (CA)	7,900	2/28/83	7.4	6.3	34.9	35.1	18.9
Sonora Pass Bridoe (CA)	8,800	2/28/83	8.9	6.6	41.0	38.5	27.9
Spratt Creek (CA)	6,080	2/28/83	7.9	7.5	36.9	37.9	23.5
Virginia Lakes Pidoe (CA)	9,200	2/28/83	7.2	3.9	30.2	24.8	16.5
Wet Meadow #2 (CA)	8,050	2/28/83	12.4	7.3	51.0	50.6	32.6
<u>HUMBOLDT</u>							
Big Creek Summit	8,700	2/28/83	2.4	1.6	16.5	10.9	10.0
Buckskin, Lower	6,700	2/28/83	3.5	2.5	15.8	19.3	10.8
Corral Canyon	8,500	2/28/83	2.5	8.2	17.6	15.8	15.2
Dorsey Basin	8,100	2/28/83	3.9	2.6	20.0	21.4	13.6
Fry Canyon	6,700			3.1		19.8	
Granite Peak	7,800	2/28/83	5.2	2.6	22.4	24.0	14.6
Green Mountain	8,000	2/28/83	4.2	3.1	20.9	19.7	12.2
Lamance Creek	6,000	2/28/83	5.2	2.5	20.2	23.0	9.1
Lamoille #3	7,700	2/28/83	2.3	3.2	16.8	19.3	15.1
Martin Creek	6,700			----		24.1	
Rodeo Flat	6,800			2.3		17.0	
Trout Creek, Lower	6,900			----		13.6	
<u>SNAKE-OWYHEE</u>							
Bear Creek	7,800	2/28/83	4.5	4.1	18.9	24.5	17.6
Rio Bend	6,700	-----	----	2.2	----	14.4	10.8
Fawn Creek #2	7,000	2/28/83	4.2	3.5	21.5	24.5	20.2
Goat Creek	8,800	2/28/83	----	4.1	20.1	23.1	16.7
Jack Creek #2, Upper	7,250	2/28/83	4.0	3.7	19.0	24.4	13.4
Jacks Peak	8,420	2/28/83	6.1	3.8	28.6	31.3	----
Laurel Draw	6,700	2/28/83	3.7	2.5	15.6	21.1	12.1
Pole Creek Ranger Station	8,330	2/28/83	2.0	2.0	10.4	13.5	11.4
Seventy Six Creek	7,100	2/28/83	3.3	3.3	13.3	18.0	12.3
Taylor Canyon	6,200	2/28/83	1.1	0.7	5.7	9.2	6.6
<u>EASTERN NEVADA</u>							
Berry Creek	9,100	-----	----	2.4	----	15.8	14.0
Hole-in-Mountain	7,900	2/28/83	3.7	4.6	17.2	30.0	----
Ward Mountain	8,900	2/28/83	4.9	1.7	17.7	14.5	11.4
<u>NORTHERN GREAT BASIN</u>							
Cedar Pass (CA)	7,100	2/28/83	5.7	3.2	23.1	27.8	20.1
Disaster Peak	6,500	2/28/83	3.6	1.8	17.7	20.1	12.8
Dismal Swamp #2 (CA)	7,050	2/28/83	9.5	4.5	37.1	44.3	42.0
Ferguson Ranch	5,560			1.4		7.4	
49 Mountain	6,000			8.2		10.0	
Mount Bidwell (CA)	7,240			----		38.4	

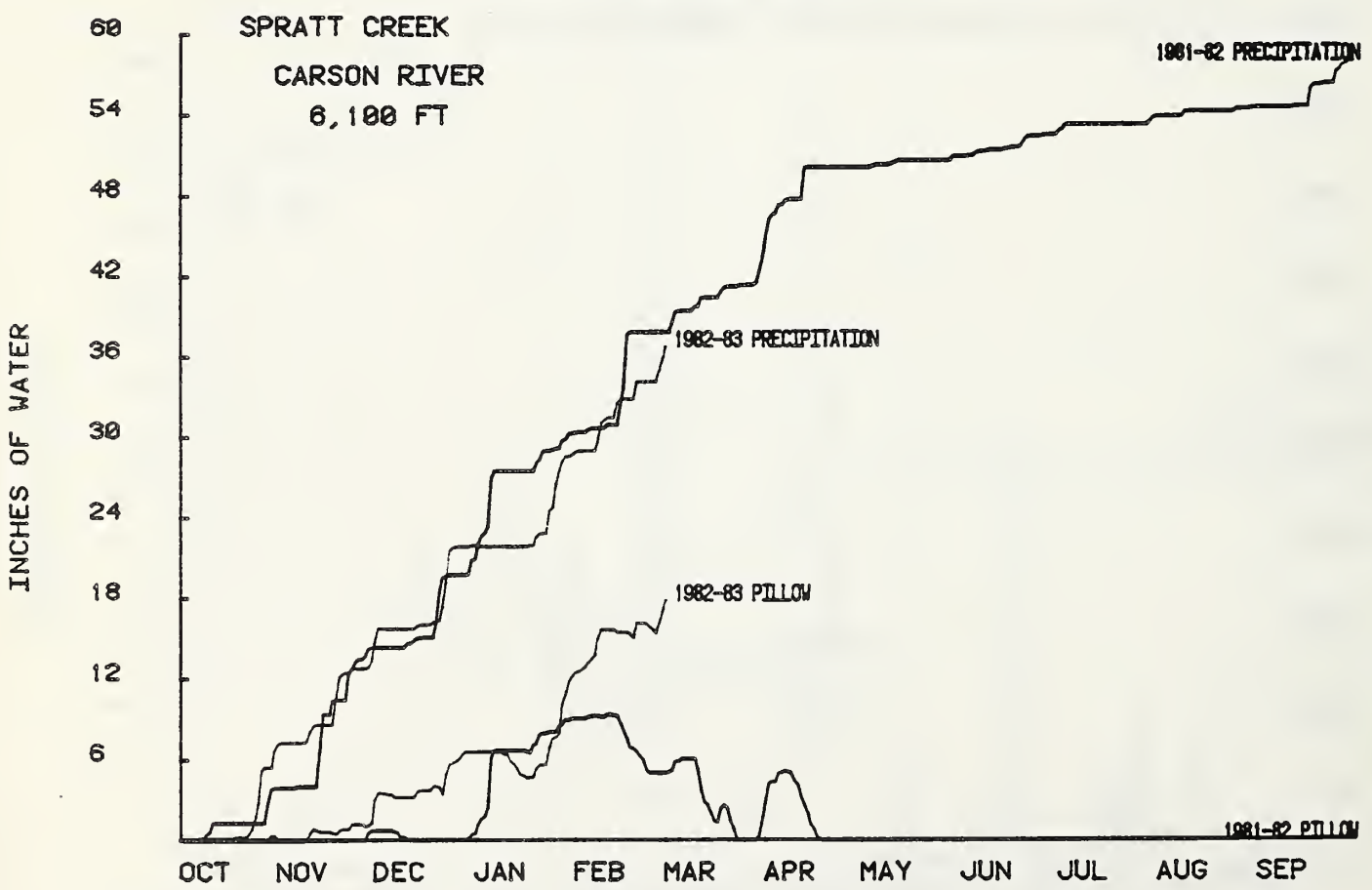
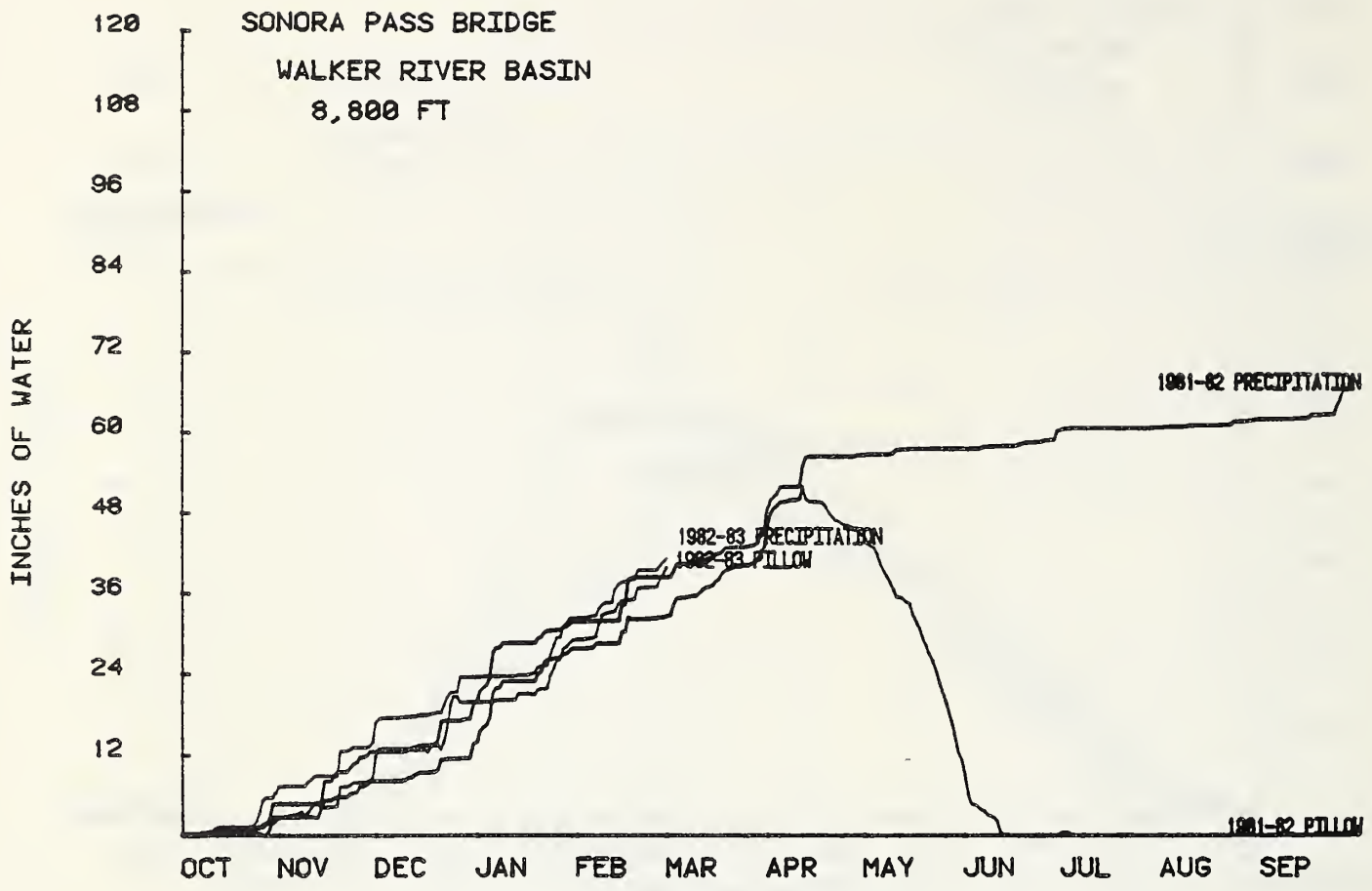
All data SNOTEL provisional except Ferguson Ranch, Fry Canyon, 49 Mountain
Pine Nut Creek, and Rodeo Flat

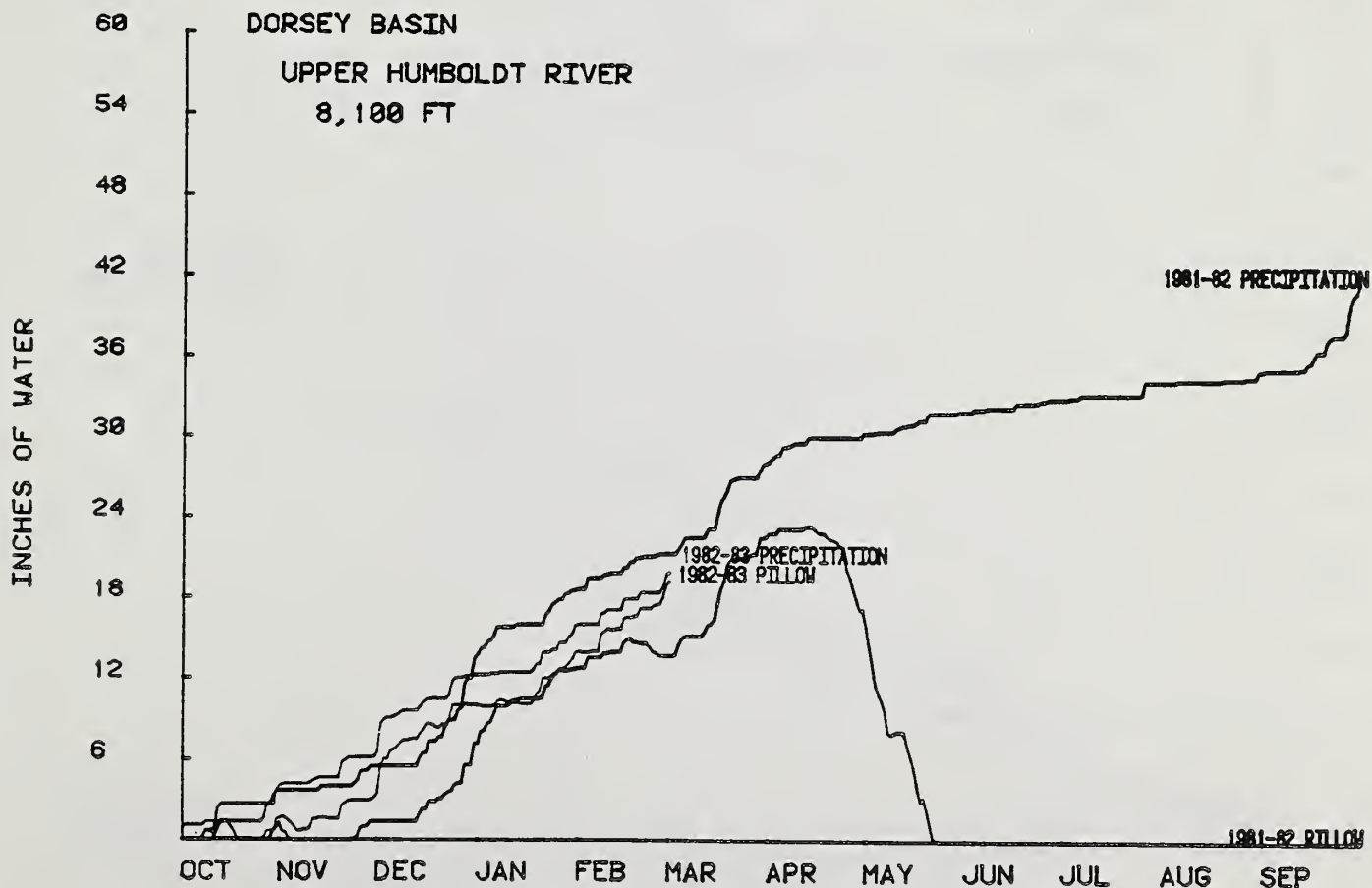
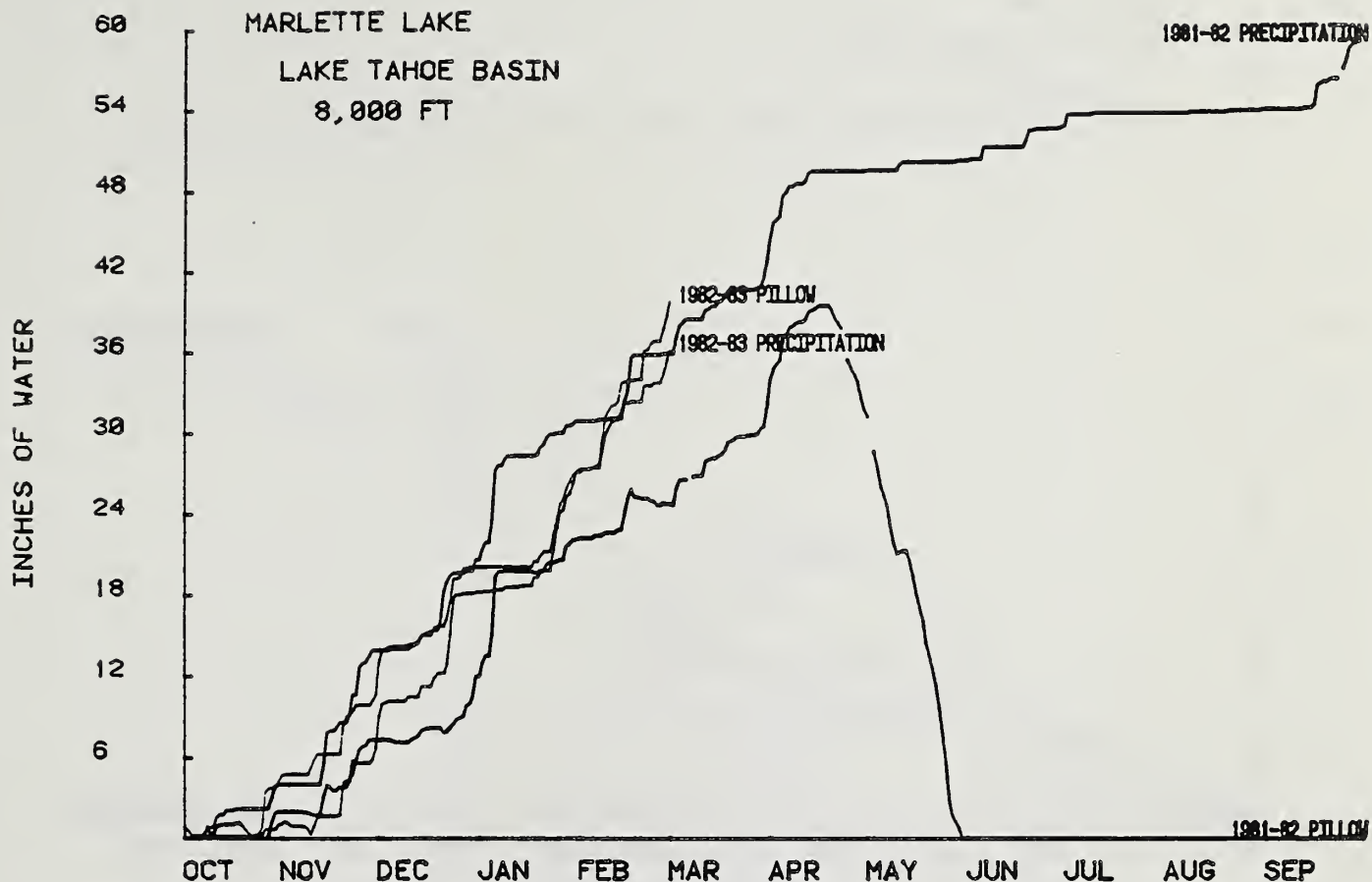
PRECIPITATION (Inches) March, 1983 NATIONAL WEATHER SERVICE

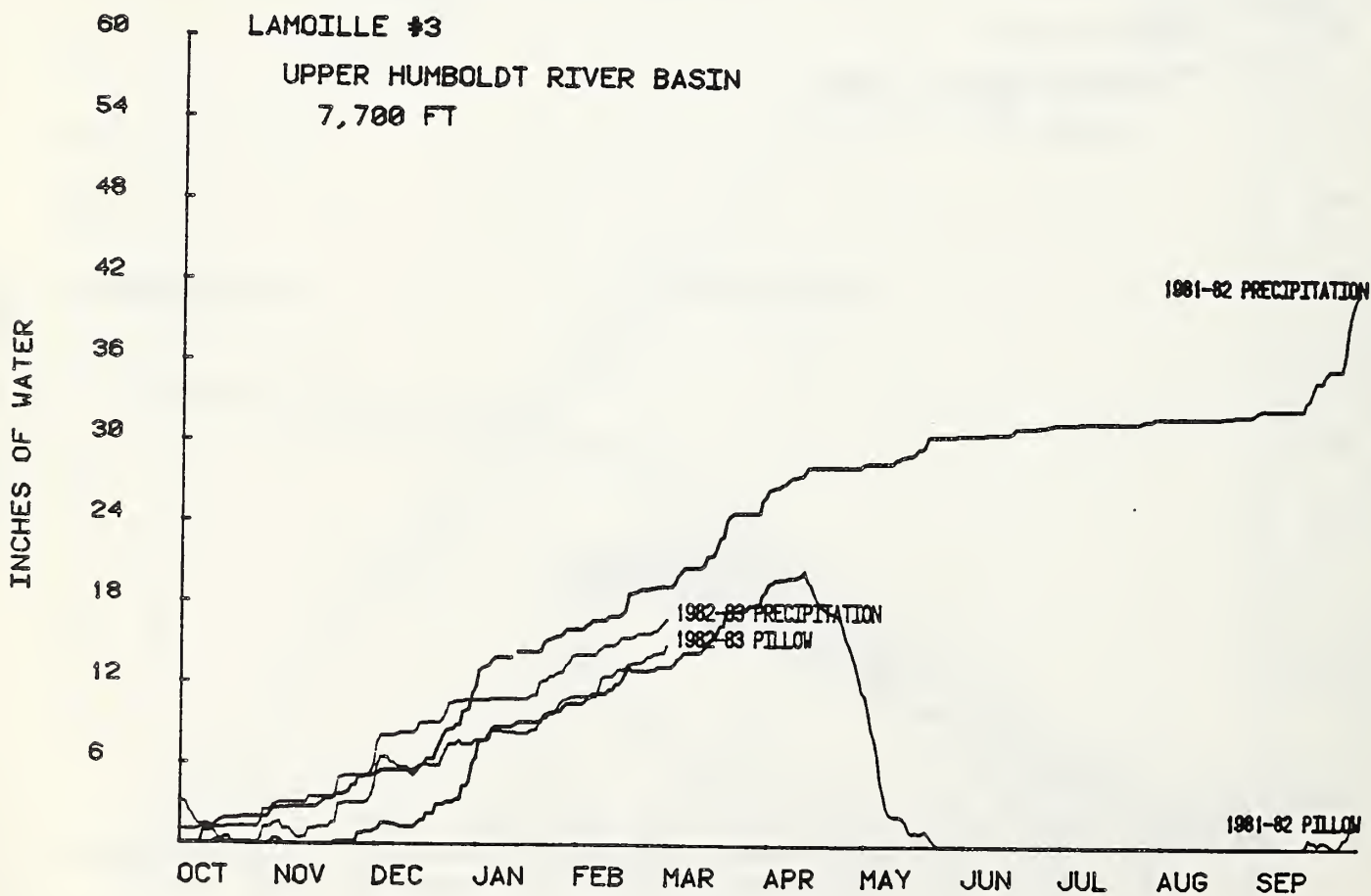
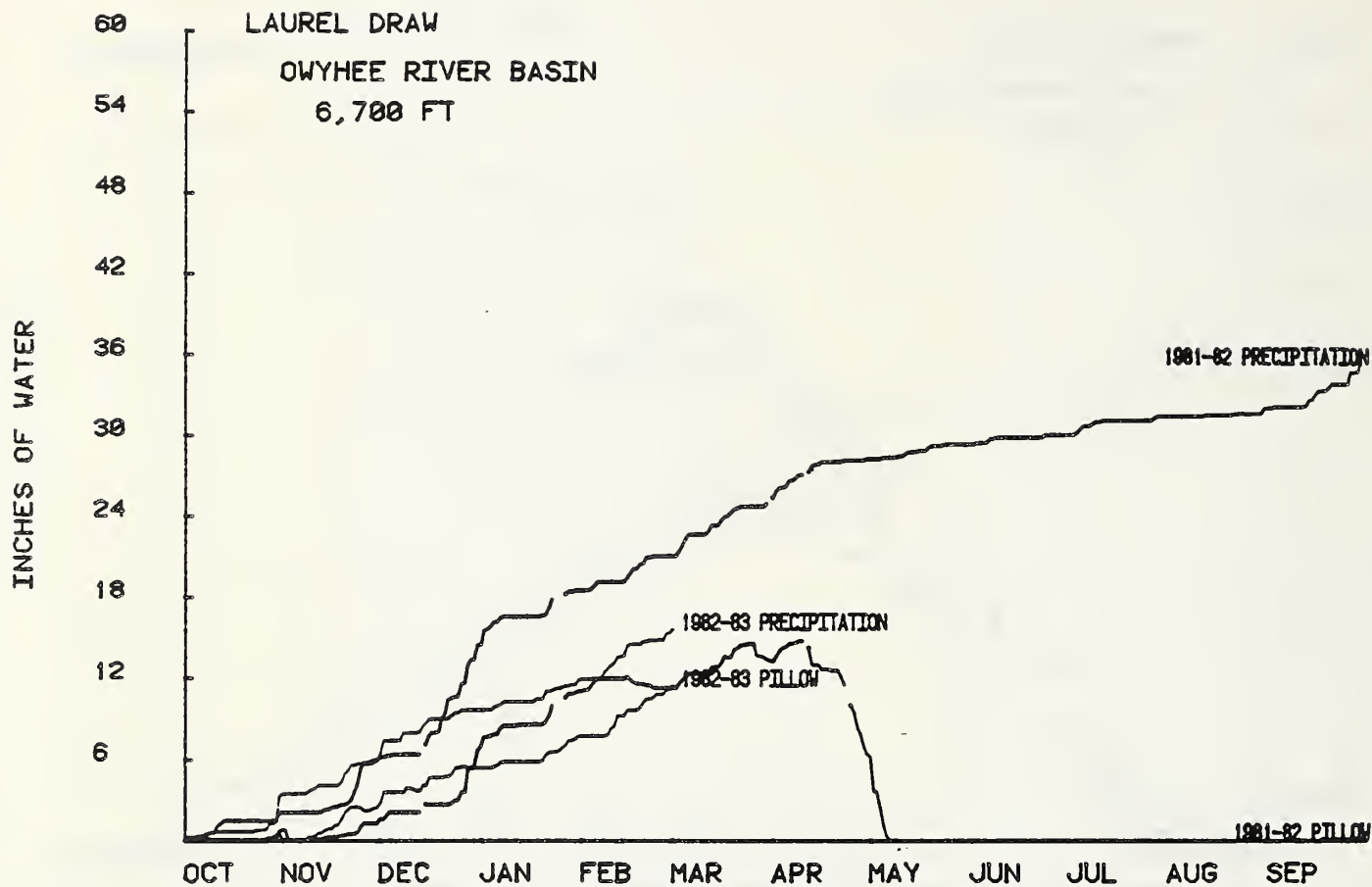
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION					
		Month's Precip.	Last Year	*Normal	This Year	Last Year	*Normal
<u>TRUCKEE-TAHOE</u>							
Boca	5,575	5.80	3.44	2.84	28.37	26.29	15.08
Glenbrook	6,350	3.45	3.24	1.93	21.41	20.49	12.45
Incline Village	6,550	9.13	4.19	3.61	23.64	29.15	15.32
Reno	4,404	1.58	.41	.86	7.70	5.43	4.26
Sierraville	4,975	6.38	5.31	3.83	30.38	37.95	19.79
Tahoe City	6,230	8.15	4.94	4.59	34.82	44.82	23.83
Truckee Ranger Station	5,995	6.54	4.19	4.53	32.14	37.02	23.13
<u>CARSON-WALKER</u>							
Bridgeport Ranger Station	6,560	1.90	1.00	1.34	11.93	5.80	7.89
Carson City	4,651	3.10	1.71	1.49	13.26	11.76	8.03
Fallon Experiment Station	3,965	.64	.08	.55	4.72	2.20	2.12
Hawthorne	4,215	.14	.16	.30	2.21	1.14	1.75
Minden	4,720		1.42	.88		6.70	5.38
Twin Lakes	7,829	12.45	6.98	6.82	34.57	45.98	33.68
Woodfords	5,971		4.19	2.40		24.25	14.48
Yerington	4,375	.37	.16	.57	3.46	.92	2.62
<u>HUMBOLDT</u>							
Austin	6,605	.73	.64	1.01	7.85	5.94	4.90
Battle Mountain	4,530	.33	.02	.60	3.28	2.00	3.34
Deeth	5,338	1.49	.46	.69	8.63	6.91	3.91
Elko	5,075	1.34	.65	.77	6.82	5.89	4.73
Emigrant Pass	5,755	1.31	.86	1.04	7.25	6.26	5.75
Jiggs	5,760	1.37	.38	.93	7.65	3.94	4.96
Lamoille	5,800	.78	.68	1.53	*	7.10	7.73
Lovelock FAA	3,900	.74	.31	.46	4.19	2.65	2.26
Wildhorse Reservoir	6,600	1.72	1.41	1.04	*	*	5.16
Paradise Valley	4,675	2.06	.54	1.04	7.79	10.38	5.26
Wells	5,650	1.06	.55	.90	5.05	6.74	4.82
Winnemucca	4,301	.97	.14	.51	5.28	4.56	4.34
<u>SNAKE-OWYHEE</u>							
Contact	5,365	.61	.54	.54	3.70	6.04	3.31
Mountain City	5,620	1.12	.73	*	5.62	7.20	*
Owyhee	6,491	1.12	.74	1.16	6.83	7.24	6.55
Tuscarora	6,170	1.99	.93	1.43	10.05	11.85	7.12
<u>EASTERN NEVADA</u>							
Arthur	6,280	2.13	1.21	1.33	9.41	10.62	7.11
Ely	6,253	1.33	.31	.60	5.51	5.47	3.21
Montello	4,880	.62	.21	.34	4.01	3.59	2.68
Pequop	6,030	.85	.61	*	5.71	6.74	*
Ruby Lake	6,012	1.67	1.03	1.20	7.32	8.82	6.14
<u>NORTHERN GREAT BASIN</u>							
Alturas Ranger Station	4,400	1.96	1.13	1.25	7.40	8.64	7.22
Cedarville	4,670	1.82	1.28	1.31	6.58	12.96	8.86
Ft. Bidwell	4,498	3.82	1.92	1.81	12.47	15.70	9.82
Orovada	4,310	1.35	.38	.95	5.11	6.76	5.35
Susanville	4,148	4.19	1.20	1.99	14.52	14.04	10.28
<u>CENTRAL GREAT BASIN</u>							
Tonopah	5,426	.66	.18	.33	3.70	3.21	1.64
<u>LOWER COLORADO RIVER</u>							
Caliente	4,402	.95	0	.70	4.57	1.46	3.89
Las Vegas	2,162	.32	1.10	.30	2.11	1.63	1.77
Pioche	6,165	2.16	.28	1.24	8.33	3.29	6.24
Bishop	4,118	.98	.02	1.06	7.02	2.95	4.15
* Not Available							
T Trace							
Normals are for 30 year period of 1941-1970.							











AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

FEDERAL

Agricultural Research Service
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Soil Conservation Service
U. S. District Court - Federal Water Master
NOAA, National Weather Service

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Conservation Districts
Nevada Department of Conservation & Natural Resources
 Division of Water Resources
 Nevada State Forester
Oregon Cooperative Snow Surveys
University of Nevada, Desert Research Institute
Utah Cooperative Snow Surveys
White Mountain Research Station, Univ. of California

PRIVATE

Amalgamated Sugar Company
Kennecott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas and Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Truckee - Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. Box 4850
RENO, NEVADA 89505
OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

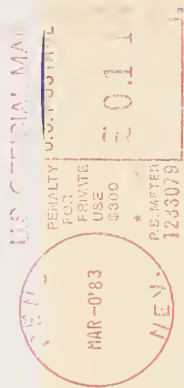
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*

USDA, NAT'L AGRICULTURAL LIB
TIS/SEA/USDA, RM 002
CURRENT SERIAL RECORD
BELTSVILLE, MD.

20705



BLK RATE